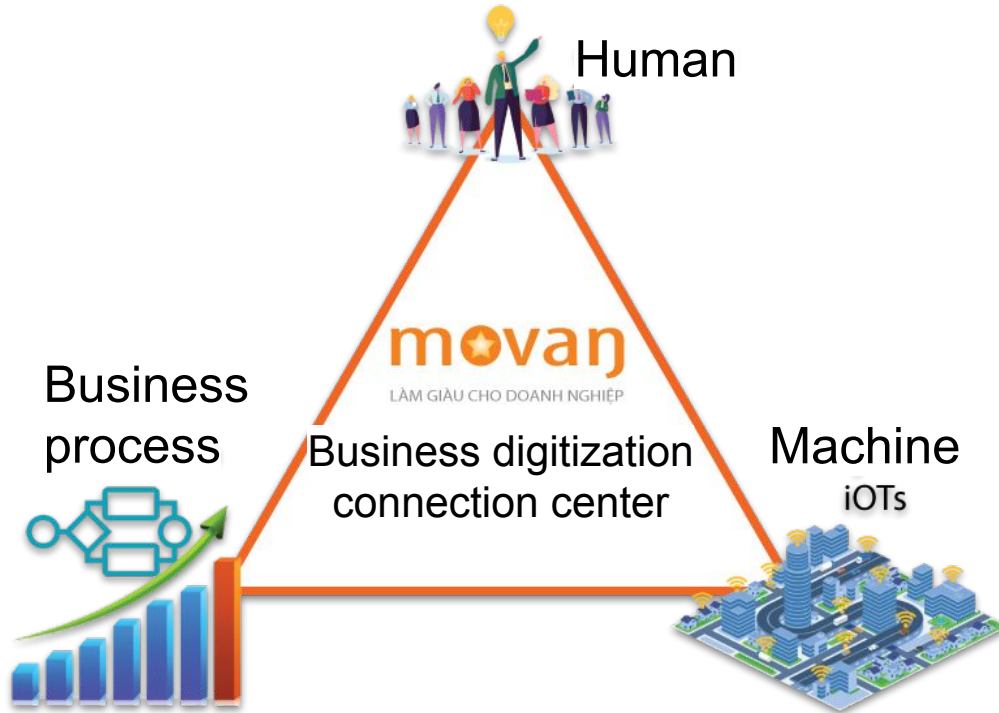# Movan ISO

Movan ISO software helps to digitize and automate business processes follow ISO-standard with a reasonable cost & easy to deploy.

Human

Business process

Business digitization connection center

Machine
iOTs

Movan ISO is the BPMS software of choice for organizations implementing standards: ISO 9001, ISO 14001, ISO 45001, ISO 13485, TS 16949, ISO 22718, ISO 22000, HACCP, GMP, BRC, FSSC 22000 ..

ISO 9001:2015

HACCP Hazard-Analysis Critical-Control-Point

ISO 14001:2015 International Organization for Standardization

Content

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1. Origin of the project

Source of formation (Specify from which source it was formed, serving the development of key, key, priority, spearhead fields...)

➢ Project "Movan ISO intelligent public service management software system in accordance with Vietnam's e-Government Architecture Framework 2.0 (Decision-Ministry of Information and Communications of the Minister of Information and Communications issued on December 31, 2019) " - by the Center for Applied Informatics - Movan Vietnam Technology Solutions Company.

Documents related to the Project (state legal documents related to Science and Technology Projects, Production investment projects...)

➢ Decree No. 64/2007/ND-CP dated April 10, 2007 of the organization guiding the Law on IT on IT application in activities of State agencies;

➢ Resolution No. 36-NQ/TW dated July 1, 2014 of the Politburo on promoting the application and development of information technology to meet the requirements of sustainable development and international integration;

➢ Resolution 36a/NQ-CP dated October 14, 2015 of the organization on electronic organization;

➢ Decision No. 1819/QD-TTg dated October 26, 2015 of the Prime Minister approving the national program on information technology application in the activities of state agencies in the period 2016-2020;

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2. Statistical overview of Digital Transformation deployment in the world

2.1 Foreign:
2.1.1 About business:
Digital transformation refers to the use of information and communication technologies for an organization's services and functions. It involves a wide range of digital interactions between organizations and their citizens, world leaders, businesses and international organisations. Around the world, organizations are establishing an online presence, launching digital services, and adopting e-organization as part of the digital transformation of everyday life.

According to the UN Electronic Organization Survey, published by the United Nations Economic and Social Commission (UN DESA), the average e-organization index in countries is 0.6. The year 2020 shows that progress has been made across all regions, even in the least developed countries. More than 22% of countries have been promoted to a higher level of e-organization.

2.1.2 About technology:
Software development in the direction of no-code (no programming)/low-code (less programming required):

The low-code design tool allows users to create complex programs without much coding experience. Instead of using libraries and complicated back-end code, low-code uses visual templates and drag-and-drop frameworks to open up development to amateur software developers.

Using low-code can solve some problems like updating. A good low-code class can allow non-specialist developers to update existing code without breaking anything and without too much knowledge.

2. Statistical overview of Digital Transformation deployment in the world

2.1.2.1 Benefits of low-code

➢ Low-code/no-code solutions have the potential to reduce development time by 90%. (Redhat)
➢ Low-code users say their backlog of apps that need to be deployed has improved by more than 12%. (OutSystems)
➢ The average company raked in about $4.4 million in added business value over three years from applications designed with low code. (Forrester)
➢ 71% of organizations leveraging low code have increased application development speed by at least 50%, and 29% of companies have seen 2x or more increase in delivery times. (QuickBase)
➢ Among IT teams using low-code solutions, business units had 21% faster lead times than those without low-code. (QuickBase)
➢ 70% of low-code users with no prior experience using a low-code platform have learned low-code in 1 month or less. (Mendix)

2. Statistical overview of Digital Transformation deployment in the world

2.1.2.2 Low-code market forecast

➢ By 2024, low-code application development will account for more than 65% of application development. (Gartner)
➢ The global low-code development platforms market is predicted to generate revenue of $187 billion by 2030, up from $10 billion in 2019 and is expected to grow at a rapid rate, CAGR of 31% , during the forecast period. (GlobeNewswire)
➢ By 2024, 75% of large enterprises will use at least four low-code development tools for both IT application development and development initiatives. (Gartner)

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2. Statistical overview of Digital Transformation deployment in the world

2.1.2.3 Acceptability the market

➢ 41% of businesses have active civic development initiatives and 20% of those who do not evaluate or plan to start civic development initiatives (Gartner*)
➢ About 79% of businesses build a web application with citizen development within a year. (Gartner *)
➢ Nearly 60% of all custom apps are now built outside of the IT department. Of those, 30% were built by employees with limited or no technical development skills. (451 Research)
➢ 42% of IT professionals plan to deliver 10 or more apps to their organization. However, the average time to develop these applications is five months or more. (Outsystems)
➢ 24% of low-code users have absolutely no prior experience using a low-code platform. And 40% of users are mainly from business background. (Mendix)

2. Statistical overview of Digital Transformation deployment in the world

2.1.2.4 Why is Low code important?

➢ Development of Low code application
➢ IT is the second-biggest area for businesses to address the hidden skills gap after data science. (Mckinsey)
➢ The average software developer salary in 2020 is more than $100k a year in the US. While codeless solutions don't completely replace a developer in terms of functionality, they help developers focus on projects that are harder and significantly less expensive than hiring a new developer . (US News)
➢ 82% of companies say it's important to develop custom apps out of IT. (451 Research)
➢ Between 2018 - 2023, more than 500 million apps will be created. That's more than the previous 40 years combined. (IDC)
➢ Vendors frequently tout flexibility as a benefit of low-code platforms. For example, Argos Labs allows users to connect the application to a variety of AI/ML products. This allows companies to easily switch AI/ML service providers.

2. Statistical overview of Digital Transformation deployment in the world

2.1.2.5 Low code use cases:

According to the survey, the top low-code development use cases are:
- ➤ Data collection form (58%)
- ➤ The application coordinates the business processes and the workflow within the application (49%).
- ➤ Apps that replace paper, email or spreadsheets (42%)
- ➤ New app UI customizations for existing on-premises apps (22%) (Gartner*)

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2. Statistical overview of Digital Transformation deployment in the world

- Tools for dynamic process management (BPMN):

BPMN 2.0 (ISO/IEC 19510:2013) stands for Business Process Modeling Notation. "Notation" means the symbol. That is, BPMN is a set of standard notations for describing business processes or for modeling business processes. Business process modeling notation (BPMN) became very popular across many types of business work, different industries and occupations. One of the biggest benefits of BPMN is in its ability to create flow charts as simple or as complex as you like. This makes it easy for the organization's stakeholders at all levels (information technology or business staff) to understand the graphs. It is this feature that may have made BPMN so popular. The 2016 survey showed that applying BPMN to simplify business processes, the goal is simple for most organizations: save money/time by reducing costs and improving performance. BPMN has been officially used in electronic organization for decades now in many countries, to name a few such as: US Department of Defense (DoD), US Internal Revenue Service (IRS), US Department of Energy United States (DOE), Ministry of Finance of the Republic of Serbia, the European Parliament (European Parliament), the provinces of Brescia and Trento (Italy), the city of Cáeres (Spain) ..

2. Statistical overview of Digital Transformation deployment in the world

- Dynamic form management tool (E-forms):

Interactive electronic forms (e-Forms) for easily customizable applications and services have been widely applied and deployed in public service applications as well as in private production. In addition, there are many specialized software and solutions that only manage forms such as: MS Office 365, Google Form, Jotform, SurveyMonkey..

- Mobile phone application:

According to Statista statistics, by 2020 there will be 3.6 billion smartphone users (https://www.statista.com/statistics/330695/num ber-of-smartphone-users-worldwide/) On average, more than 50% of public services in the world already support mobile phones (https://www.statista.com/statistics/421693/e- government-availability-mobile-services/).

- Connection tool (Integrations):

According to the Open Data Barometer's statistics, there are currently 79 countries opening data related to public services and state management. On the other hand, in the trend of the 4.0 revolution, smart cities need to be connected to iOTs devices and many connection standards are being used officially such as: RESTful web service, XML, JSON, HTTP ..

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2. Statistical overview of Digital Transformation deployment in the world

2.2.2 About technology

Software development in the direction of no-code (no programming)/low-code (low code - less programming required):
In Vietnam, the trend of low-code software programming has been implemented in both the public and private sectors. Typically in the public sector, Ho Chi Minh City (2018), Dak-Nong uses BPMN business diagrams with BPM technology to embed the process in the code during programming, although this approach reduces about 30% Time and money but still have to do more programming and can't solve the problem of improving and updating the process quickly, when changing the process or form, you still have to recompile the code and test it from scratch.

With Movan ISO digitizing software, it completely solves the above requirements, specifically:
a) Drag and drop business processes/create forms/Reports on advanced graphical interface
b) Publish/update business processes/forms/reports instantly
c) Support process version management/Forms/reports for comparison, reverse integration
d) Display business status by marking colors to help enforcers know the process status
e) Integrate notes, reminders, approvals, file attachments on each task as well as the whole business process.
f) Advanced reporting on process performance, with a heat map that turns red if the task is timed out/highly called.. helping to improve business processes and support decision making.
g) Automating business process push and performance audit, helping staff not to remember complicated processes, centralized digitized information in one place.
h) More than 300 popular connection standards are available in the world and in Vietnam, helping the process of integration and data exchange with other databases, and can be integrated with smart iOTs devices and system in the smart city of the future.

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2. Statistical overview of Digital Transformation deployment in the world

Especially with Movan ISO software, the software programming project from 6 steps is reduced to only 2 steps, saving up to 50% of deployment time, human resources and money.

-Tool for dynamic process management (BPMN):

On December 31, 2019, the Ministry of Science and Technology issued Decision No. 4068/QD-BKHCN on the publication of national standards, thereby announcing 01 national standard: TCVN 12690:2019, Information technology - Symbols and business process model for the BPMN object management team.

According to Circular No. 39/2017/TT-BTTTT dated December 15, 2017 of the Minister of Information and Communications, and Decision 2323/QD-BTTTT in 2019 on Vietnam Electronic Organization Architecture Framework, version 2.0 of the Minister of Information and Communications recommends the application of the BPMN symbol set to software development and process automation of public services.

In addition, BPMN has also been applied officially included in the Electronic Organizational Architecture Framework at these agencies/localities by Ho Chi Minh City, Dak-Nong Province, the Ministry of Health, the Ministry of Transport, and the Ministry of Information and Communications.

Thus, we will learn more deeply why BPMN is preferred for use in digital transformation of public administration or businesses in the following slides.

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2. Statistical overview of Digital Transformation deployment in the world

- Dynamic form management tool (E-forms):

Interactive electronic forms (e-Forms) serving applications and services are easily customized by professional staff according to changes and regulations on related administrative procedures;

- Mobile phone application:

Because it has to be done manually on paper and entered on a computer, so it is not convenient for users, has not been provided on the mobile device platform, partly because the data collection location is dispersed away from the office. Therefore, the software needs to be well supported on mobile devices.

- Connection tool (integrations):

Following the trend and Vietnam Electronic Organizational Architecture Framework 2.0, the software needs to easily connect to the common database of other agencies from local to central. On the other hand, in the future, according to the general policy of smart cities, it is necessary to connect to IoT devices such as environmental monitors, cameras.. and other measuring devices. Therefore, there must be an open mechanism that supports most connection standards in the world and Vietnam's connection standards such as: RESTful web service, XML, JSON, HTTP ..

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Business success - Process efficiency

Ironically,

Process efficiency has become perhaps the most important driving force that determines the success of companies/organizations in the 2000s.
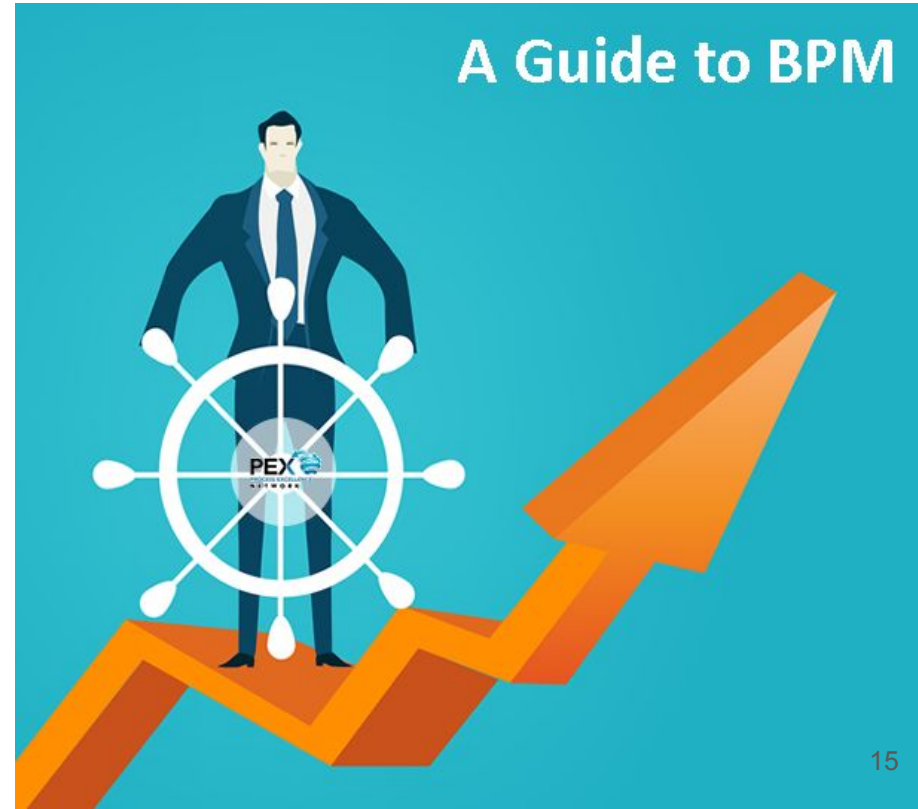
A Guide to BPM

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Statement - Why Focus on Process? (continue)

A History of Transformation in American Governance - The 1970s

Employees almost do not jump jobs - heavy seniority environment.

- Process knowledge carried in employee's head
- Managers are often chosen from within to understand the complexity of the organization's processes.
- The age of specialization.
- Most organizations have a vertical organizational structure (silos)
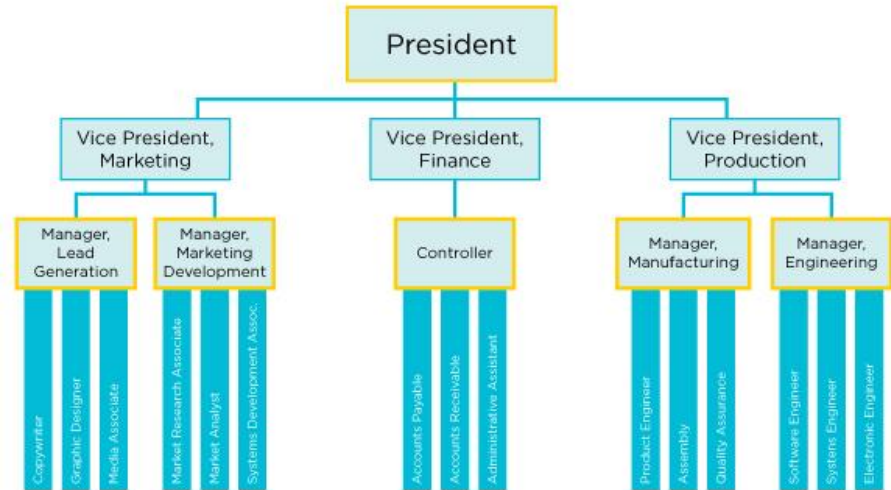
Statement - Why Focus on Process? (continue)

A History of Transformation in American Governance - The 1970s

- Only 37% of employees say they have a clear understanding of what their company is trying to achieve and why they do their jobs (according to The 8th Habit: From Effectiveness to Greatness).
- **This is not my job.**
- Try to optimize only part of the process instead of the whole process.
- Reward employees based on how well they perform in their particular area, which creates some wasteful behavior.
- Lack of technology Process and Internal Communication
- Barriers separating departments, Time lag (sometimes large) before the next department starts processing its part

THAT'S NOT MY JOB

Statement - Why Focus on Process? (continue)

A History of Transformation in American Governance - Period 1985

- Laser printers were relatively inexpensive and desktop computers became commonplace.
- The first mobile phone call launched in the UK.
- Microsoft introduced the first version of Windows 1.0.
- Global competition is transforming many industries.
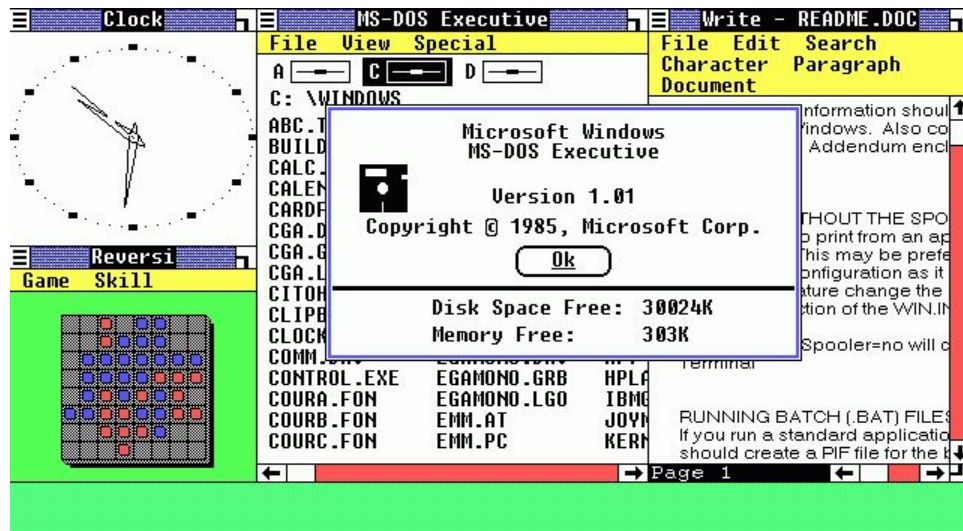
1985 - American(continues)

- Employees who take up positions need not be loyal to a company that doesn't value them or their ideas.
- **Interested in total quality management (TQM).**
- TQM cross-functional teams are designed to improve inter-departmental processing and communication performance.
- Process improvement activities focus primarily on patching vulnerabilities in processes.
- **Automating processes allows an organization to achieve great gains in operational performance.**
- Customers are now inundated with products and services from a wide range of competitors.

Statement - Why Focus on Process? (continues)

Period 2000s- American

- **Global competition is now the norm.**
- Mergers and acquisitions have been the norm in many industries, creating fewer, larger, and better-capitalized companies.
- **The Internet has completely changed the way to reach customers globally with minimal cost.**
- The workforce has become more dynamic, frequently jumping from one company to another.
- Customers are more and more demanding;
- Advances in technology make the pace of doing business faster and faster.
- Product flexibility is the usual requirement.

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Statement - Why Focus on Process? (continue)
Historical trends impacts processization

Items	1970	1985	2005	Impact to Process
Competition	Local/Regional Minor Competitors	Country/becoming global	Big global competitor	Must have processes that can stand up to the best capitalization companies in the world
Customer	Take whatever you give them, Limited Selection, Made in the USA Preferred	Rising standards, Higher demand for quality products and services	Very strict, Loyalty to whoever is currently the best	Processes must be able to deliver excellent quality with effective quality at an effective price just to satisfy customer demand.
Process	Focus on Function, Heavy Craft	Realizing the need to integrate automation, TQM creates a focus on process improvement	Processes are considered to support cross-functional centralization of technology adoption	Companies realize there are many problems that cannot be solved by functionality
Technology	Mainframe, Focus on computing power	Desktop, Focus on Speed	Portability, Focus on Access	A trigger only when starting with fluent processes
Human resource	Stable, with long-term staff, Expert in narrow scope of duties	Increase diversity, Increase the breadth of necessary knowledge	Mobile and Premium are more diverse in thinking than simply working online/working remotely	Processes must be well documented to avoid losing knowledge of the organization every time an employee leaves

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Statement - Why Focus on Process? (continue)

Four waves of Business Process Management

1. Total Quality Management - TQM
2. Business Process Reengineering
3. Business Process Reengineering
4. Process-Based Competition

Bốn làn sóng Quản lý Quy trình Kinh doanh

Cạnh tranh Dựa trên Quy trình (Process-Based Competition)
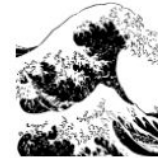
Thiết kế tổ chức Định hướng theo Quy trình (Process-Oriented Organization Design)
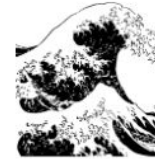
Quá trình Tái cấu trúc Doanh nghiệp (Business Process Reengineering)

Tổng Quản lý Chất lượng (Total Management Quality)

Statement - Why Focus on Process? (continue)

The first wave: Total Quality Management

Total Quality Management

TQM is a set of systematic activities carried out by the entire organization to effectively achieve and achieve company goals to provide products and services with a quality level that **satisfies customers, at Right time and right price.**

TQM can be summarized as a management system for a customer-focused organization that involves all employees in continual improvement. It uses strategy, data, and effective communications to integrate the quality discipline into the culture and activities of the organization.

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Statement - Why Focus on Process? (continue)

The first wave: Total Quality Management

TQM is a popular method in the last few years, but unfortunately, it has not always been successful.

1. The initial structure required to support the methodology is often too expensive and complex to justify;
2. The application of statistical tools to non-production applications was improperly implemented;
3. Lack of process knowledge contributed to the selection of inappropriate topics for teams; and
4. The poor relationship between management and subordinates inhibited the participation of the implementation team.
5.

Why TQM Efforts Fail

- Lack of a genuine quality culture

- Lack of top management support and commitment

- Over- and under-reliance on SPC methods

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The second way: Business Process Reengineering

Business Process Reengineering

Restructuring exploded onto the scene in the early 1990s, popularized in the book Corporate Restructuring, by Michael Hammer and James Champy. At the heart of the refactoring is a radical and powerful process redesign. It's the home-run approach that many organizations with legacy process issues are looking for. To continue the same from the first chapter: continuous improvement means ironing wrinkles out of a shirt. Reconstruction says the shirt is still four sizes too small, so only ironing the creases won't work. You need to get a new one.
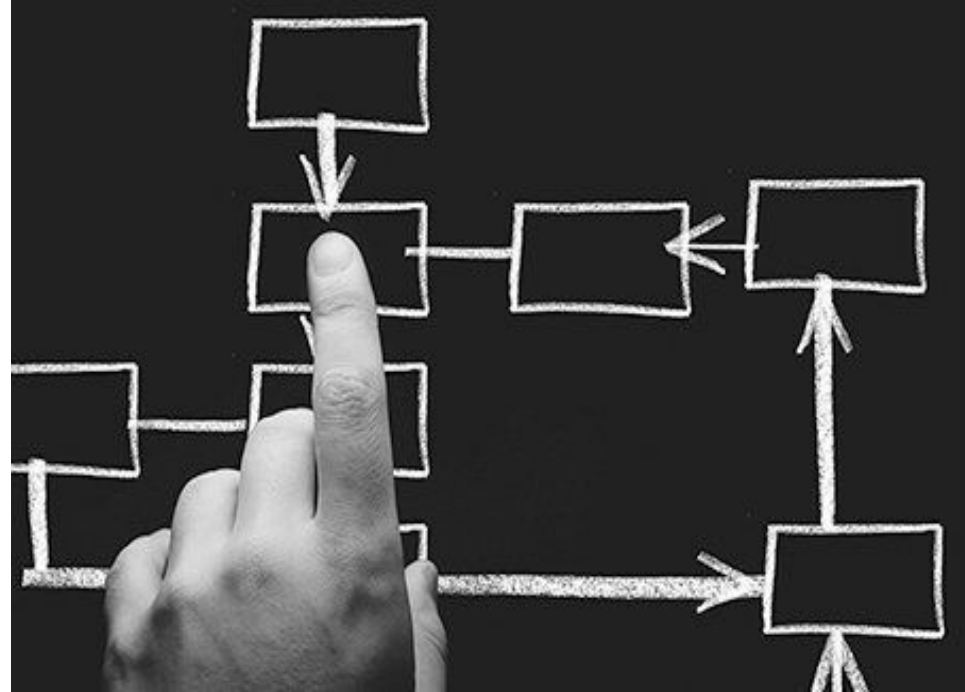
The second way: Business Process Reengineering

The cross-functional nature of a redesigned process almost always means that some departments will be considered winners when a process is redesigned and others will be considered losers.

Success will not be achieved without managing a workforce that is afraid of change and preparing them to succeed in their new role.

It is estimated that 80% of restructuring efforts have failed due to the inability to solve human problems.

BPR SERVICE LEVELS

TACTICAL
Content Focused
Known Opportunities
Proof of Concept
ROI Justification

VALUE OPTIMIZATION
Business Case Focused
Value Chain Prioritization
Program Expansion
Benefit Realization

STRATEGIC
Innovation Focus
Enterprise Value Optimization
Program Integration

BPR OBJECTIVES

REDEFINE VALUE
OPTIMIZE VALUE CHAINS
LEVERAGE BEST PRACTICES
IMPROVE PROCESS EFFICIENCY

ENTERPRISE TRANSFORMATION

BUSINESS PROCESS REDESIGN

PROCESS IMPROVEMENT "Value Expansion"

PROCESS DEFINITION "Value Capture"

FUNCTION SPECIFIC PROJECTS
CORE BUSINESS PROCESSES
PRIMARY VALUE CHAINS
EXTENDED VALUE CHAINS

BREADTH OF BPR CHANGE

Statement - Why Focus on Process? (continue)
The 3rd Wave: Process-Oriented Organization Design

Process-Oriented Organization Design

The solution sounds simple: just train people in six different departments to implement the entire process from start to finish. Great idea, but the job descriptions for the new roles, who do the reports for, should create a new department? The list of organizational problems is long. This type of problem is the source of the third wave of process management, known as process-driven organizational design. The purpose of the third wave is to establish an organizational structure that strengthens the focus on the process. This enables key business processes within the organization to operate at maximum efficiency, delivering value both within the organization and to customers.
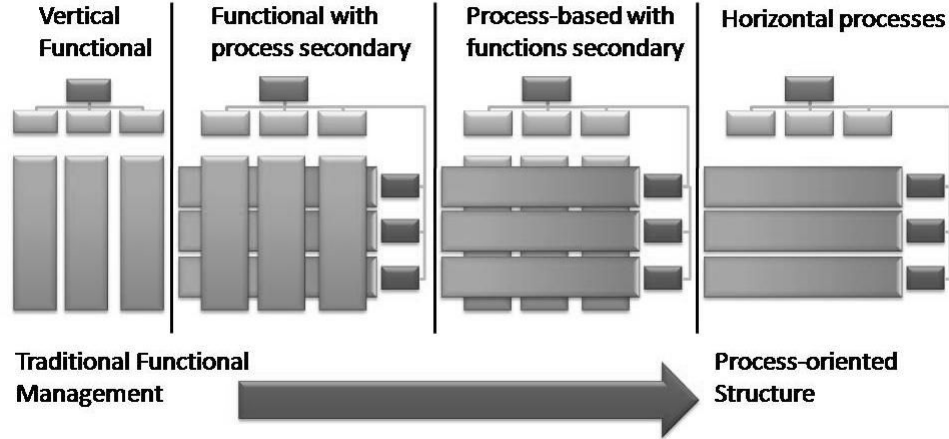
Statement - Why Focus on Process? (continue)

The 3rd Wave: Process-Oriented Organization Design

The trick when designing an organizational structure around processes is not to completely lose the benefits of functional groups; There needs to be a balance between the two

The importance of the third wave is that more and more companies are beginning to realize that process performance is a key factor in their high-level decision making. Gone are the days when an executive team could simply look at the financial statements to determine how the organization was performing.

Process thinking must be integrated into all management decisions, up to and including the structure of the organization. The final frontier is planning for the future of the organization by proactively driving process performance.
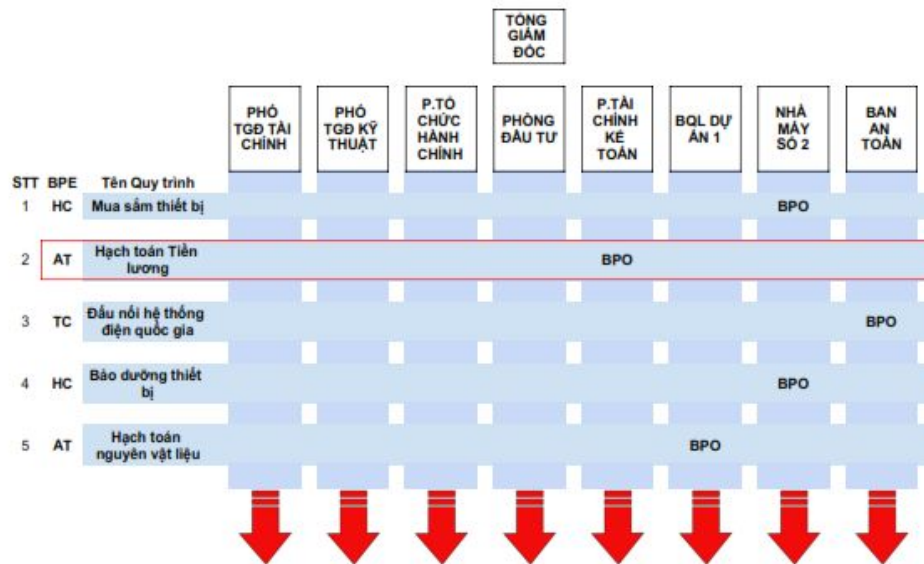
Statement - Why Focus on Process? (continue)
4th Wave: Process-Based Competition

Process-Based Competition

The fourth wave is where process performance is integrated into the strategy.

The black arrow illustrates that in the fourth wave, the process can be used to drive strategy. In other words, superior process performance can drive the future of the organization, help capture new customers and markets, establish additional profit centers, enable the organization to deliver complete solutions. more fine-tuned by controlling more links in the value chain, etc. Fourth wave companies position themselves as the only way to control their own destiny.
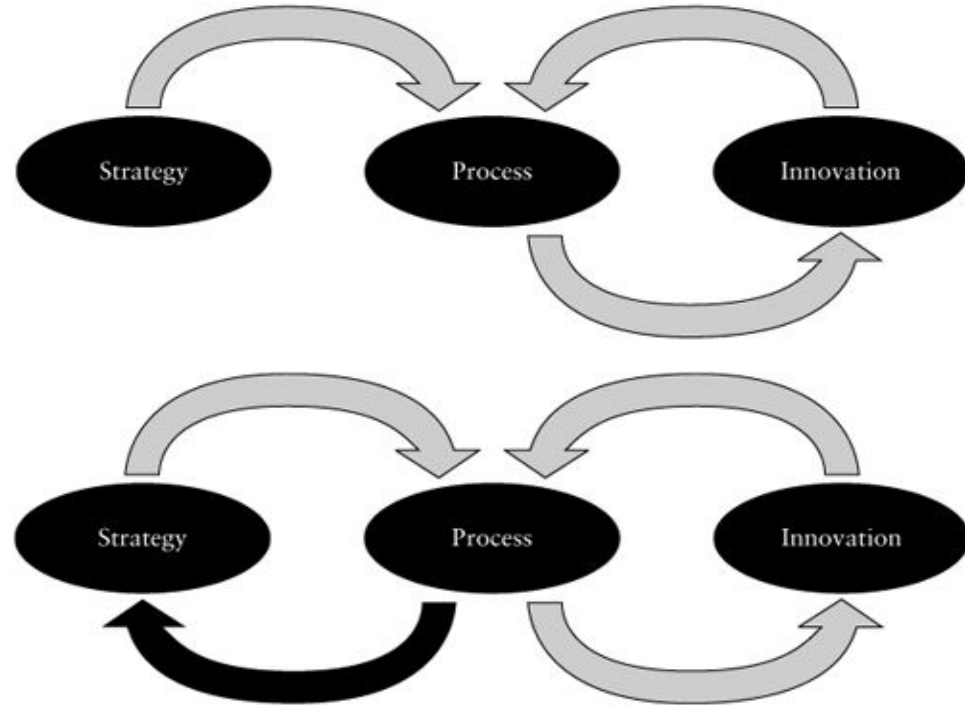
Solution - Benefits of Movan ISO - Overview

Enjoy productivity with Movan ISO

Movan.,jsc company with outstanding advantages with Movan ISO business digitization platform - flexible BPMS (Business Process Management System) software building technology by Drag & Drop method according to international standards BPMN 2.0 and DMN. Helping organizations build and transform digitally easily, saving up to 80% of deployment time.

Key advantages of developing software with the Movan ISO platform:

➤ Drag and Drop: Business Processes/Forms - powerful eForms/ Rules Engine according to international standards BPMN and DMN.

➤ Supports more than 300 API - information and communication standards, helping to connect machin, and other software: iOTs, AI, cloud..

➤ Lego module direction, easy to expand system architecture.

➤ Multimodal security, based on Java and Springboot framework

➤ Web-base, multi-platform support PC, Smartphone, Tablet.
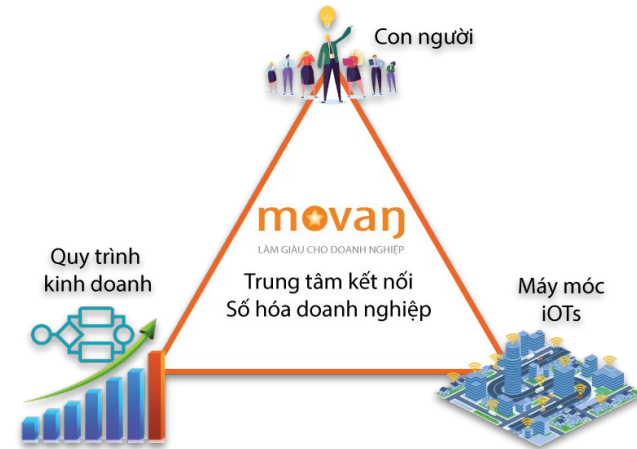
Solution - Benefits of Movan ISO - Overview
MOVAN ISO MAIN BPMS STRUCTURE

Business

IT

Business Process Design and Simulation

eForm

Security

Create apps/PDCA

Performance Monitoring and Performance Measurement

Integration Services
EAI/SOA
with ESB

Rules Engine with IT business
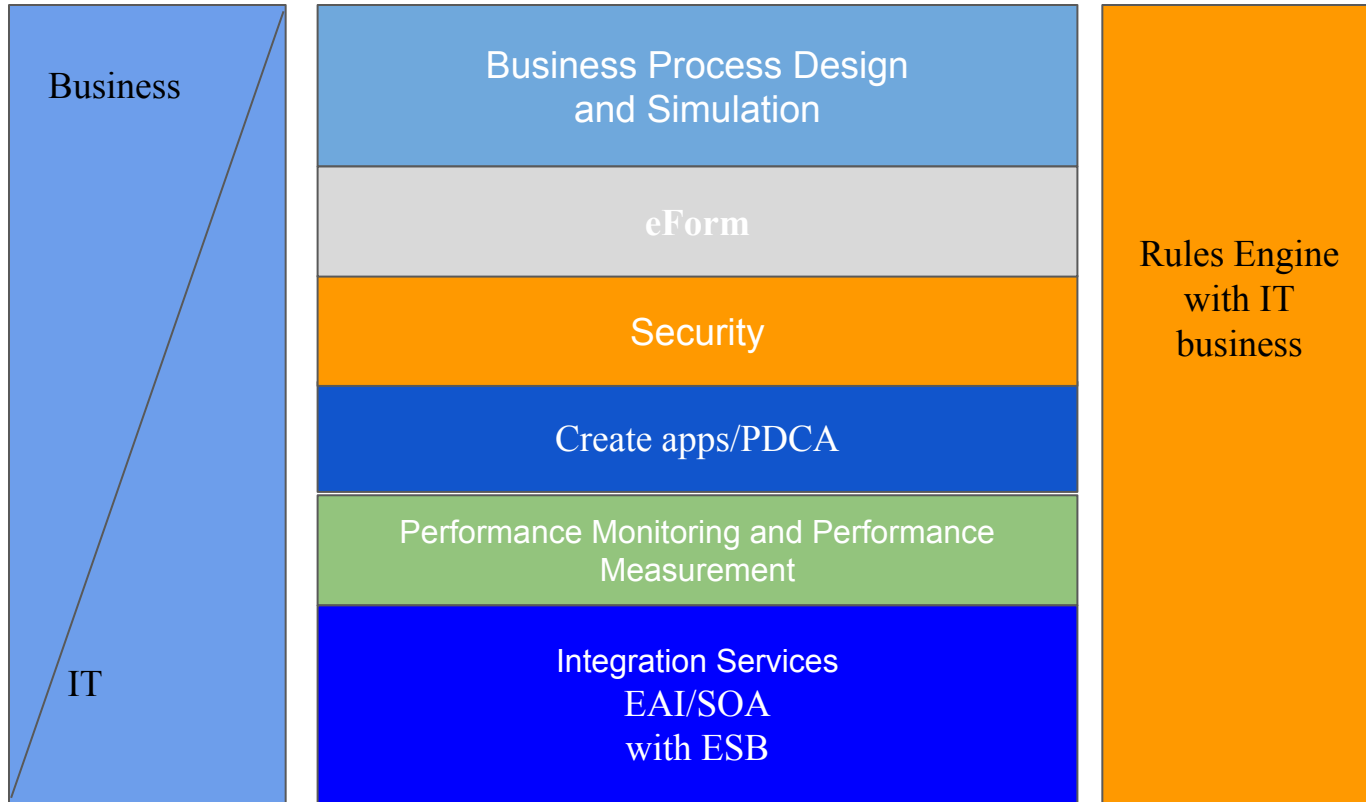
Solution - Benefits of Movan ISO - Overview
Enjoy productivity with Movan ISO
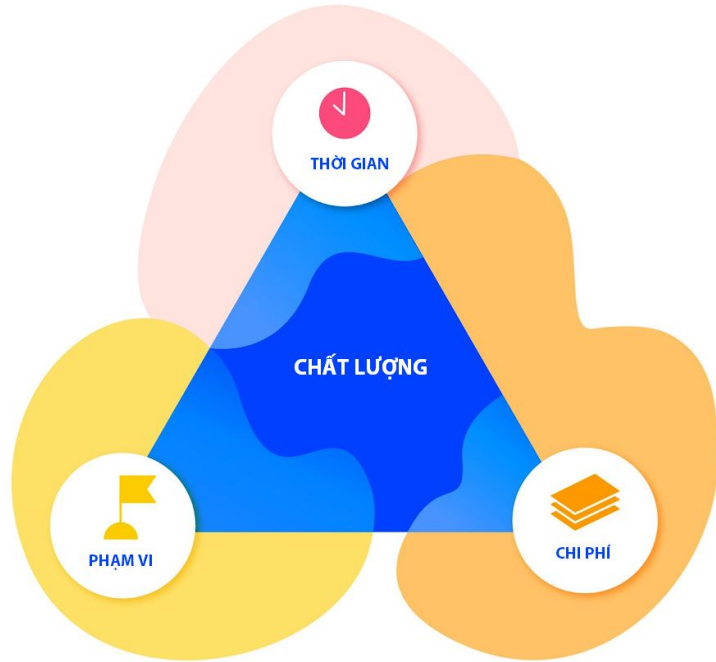
Highlights of Movan ISO software:

➢ Business Process Automation (according to ISO 10510 - BPMN 2.0), decision support table (DMN)
➢ Digitizing Documents (forms, attachments)
➢ PDCA thinking, continuous improvement
➢ Connecting People - Process - Machine
➢ Reasonable cost, Easy to deploy, fast deployment time.
➢ User-friendly phones and mobile devices.

Solution - Benefits of Movan ISO - Overview

Movan ISO is the international standard cloud software of choice for organizations implementing ISO 9001, ISO 14001, ISO 45001, ISO 13485, TS 16949, ISO 22718, ISO 22000, HACCP, GMP, BRC, FSSC 22000 ..

PROCESS	DOCUMENT	PDCA
➢ With Movan ISO easily digitize processes by Drag & Drop the process with flexible logic blocks without waiting for long programming time. ➢ Automate complex, multi-branch, multi-department, multi-participant processes. Coordinate Process, People and Machines. ➢ Automate the work assignment process according to ISO/IEC 195110 - BPMN 2.0, support DMN decision table	➢ Digitizing Documents ➢ Manage documents, messages, notes centrally right in each work task. ➢ Help Search, Aggregate, Clear, Fast.	➢ Heat maps and performance reports help identify bottlenecks so process improvements can be made ➢ Provides insight to achieve significant cost reductions based on continuous improvement of processes ➢ Ensure that all employees in the organization are performing processes the same way

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Solution - Movan ISO Basic Feature Summary

Right in each Process/task, the user can:

➢ Enter information into the form (For example, production request sheet, order from customer, report to be approved ...)

➢ Quick chat with participants of the same task/work about the problem to be solved

➢ Note to the person performing the task/boss what to pay attention to, or if there are any special requirements for this task.

➢ Add participants in the task

➢ Store documents for each task and process

➢ Create more subtasks for jobs that arise out of the process

Solution - Movan ISO Basic Feature Summary

Within each Process, the user can:

➢ Perform the same features for each of the tasks above, in addition, in the Process management section, there is an additional feature to see the process history according to which workflow and where it ran.

➢

➢ Help people/departments involved in the process know which step the work has gone to to monitor/prepare for the upcoming work.
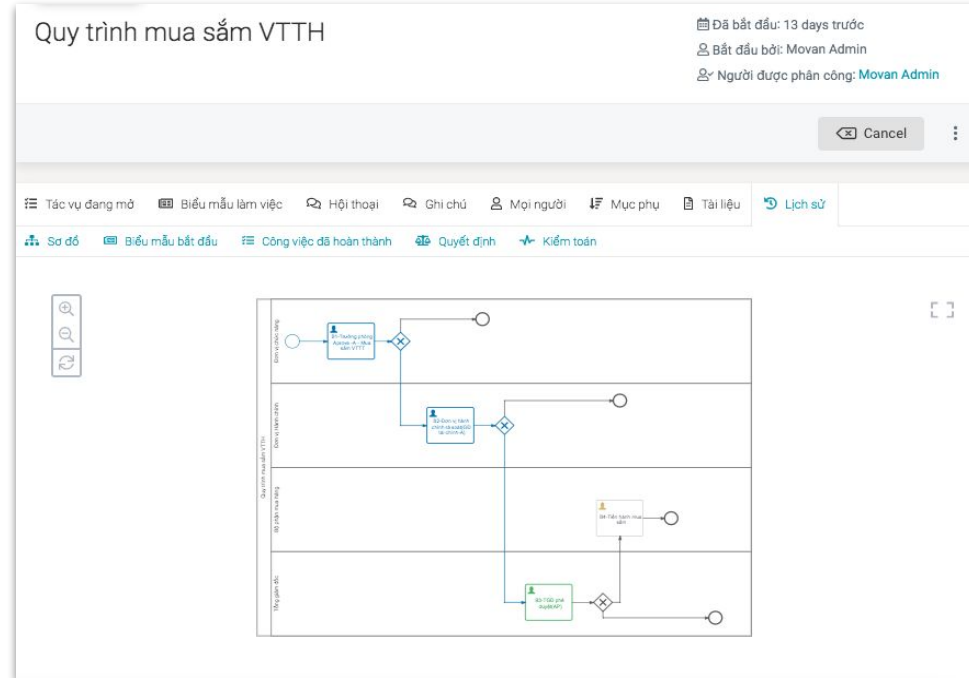
Solution - Movan ISO Basic Feature Summary

Process performance reporting function

➤ Adjust the process in a timely manner

Process can be adjusted and check where the process is having problems by heat map, thereby helping managers to adjust the process in a timely manner.

➤ Information transparency thanks to automatic reporting

Work links between departments, when problems occur, managers easily know where the work is clogged to adjust.

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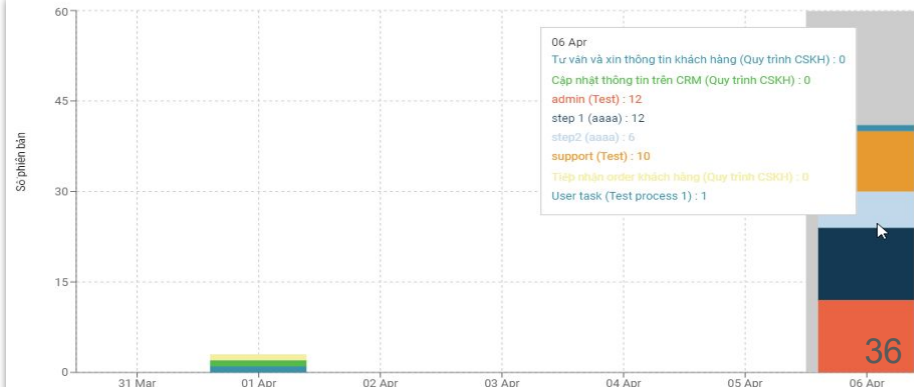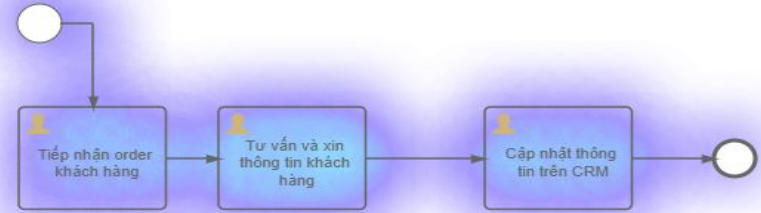
Solution - Movan ISO Basic Feature Summary

Decision Model and Notation (DMN)

The decision support table is one of the special features of Movan ISO.

➢ Helps managers set rules for jobs that have to branch off complex decisions that are repeated many times.

➢ Faster decision support

➢ Recommending control decisions for both machines and for humans

Solution - Movan ISO Basic Feature Summary

Process version management system

In the process of process performance improvement, management finds it necessary to adapt to a new process, a process version management system will help create a new process while the old process is still running. When you click deploy a new version, the new process will be synchronized and applied to all people/departments related to that process.

Processed Version Management benefits:

➢ When the process changes or adjusts, employees themselves will not know if the process change is big or small because they work according to the assigned work in Movan ISO
➢ Saves time learning new processes. Help employees not forget the process
➢ Helps managers do not have to deal with issues such as employee objections to process changes, or process adjustments

Movan ISO is BPMS Digital Transformation Connection Hub

Connecting People - Process - Machine

Con người

Quy trình kinh doanh

movaη
LÀM GIÀU CHO DOANH NGHIỆP
Trung tâm kết nối
Số hóa doanh nghiệp

Máy móc iOTs
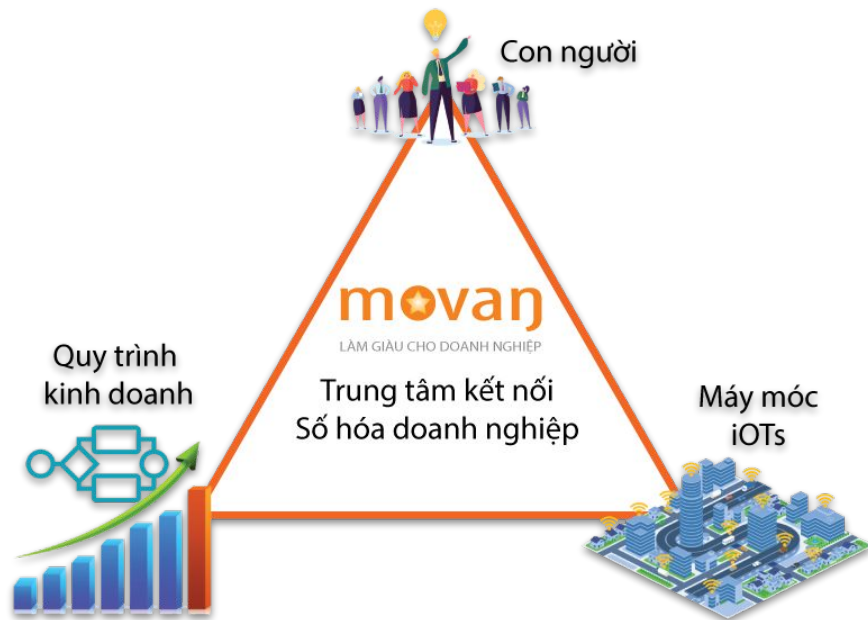
Movan ISO helps businesses digitize their entire operations. Help connect People - Process - Machine. Open gateway with more than **300 connections** via Rest API/Apache Camel/Mulesoft.. Easily connect with:

○ **Hardware devices, iOTs**

○ **Banking services, digital cloud, AI/face recognition/text recognition..**

○ **3rd party software** such as ERP, accounting, CRM, DRM, HRM software, time attendance, access control...

Connection Hub - Ready to integrate 300 connection standards

Ready to integrate 300 connection standards

With the connection bridge of **Movan ISO**. It is a purpose-built integration platform designed to seamlessly connect the IT solutions in use across your organization.

➢ Supports most connection standards: SOAP, XMPP, Rest, gRPC, ..
➢ Easily expand the system and connect to new technology in the future
➢ Easily connect to the software that the organization is using ERP, CRM, IoT, ..

Connection Hub - Ready to integrate 300 connection standards

Ready to integrate 300 connection standards
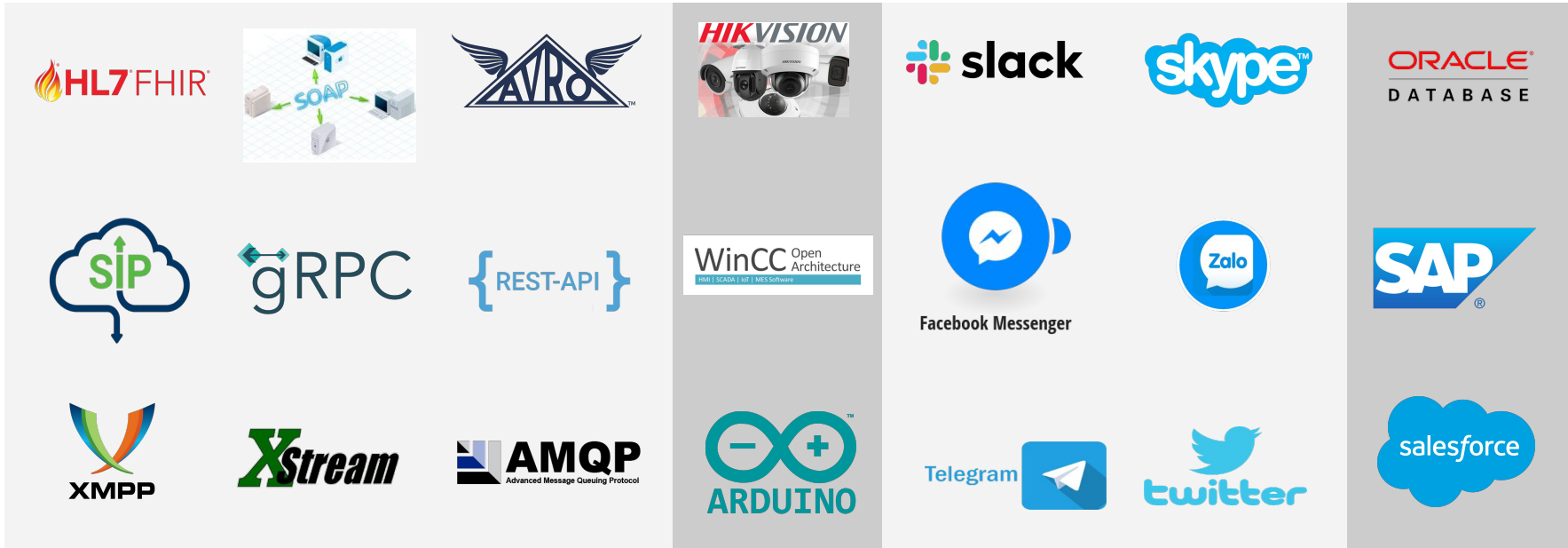
AI/iOTs Connection Hub - Face Recognition

Movan Face Verify AIoT intergations

- Solution to connect devices, face recognition software (face recognition) with Movan ISO.

- Towards open connectivity standards with 3rd party data platforms, such as Azure iOTs hub, Google iOTs cloud, MQTT, RestAPI..

- Application to control entrance gates, Attendance and payroll, time attendance, VIP members, law enforcement..
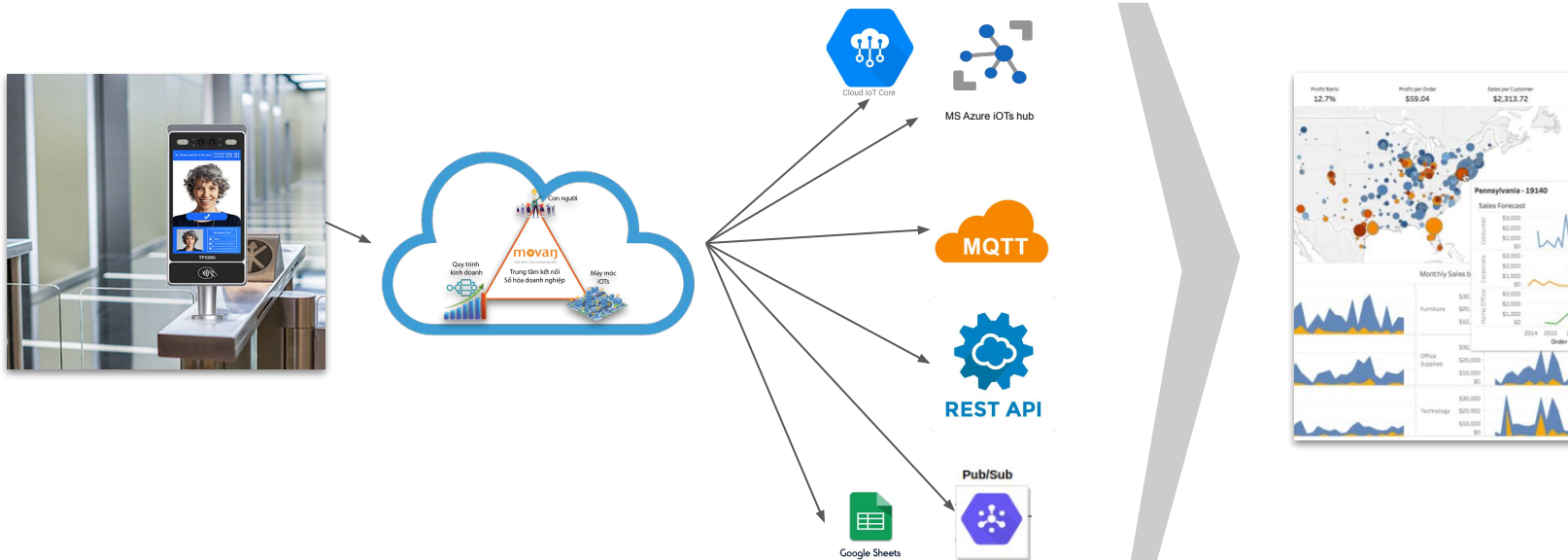
AI/iOTs Connection Hub - Face Recognition

Movan Face Verify AIoT application

mFaceRecord   Train in local   Send trained data to DB server
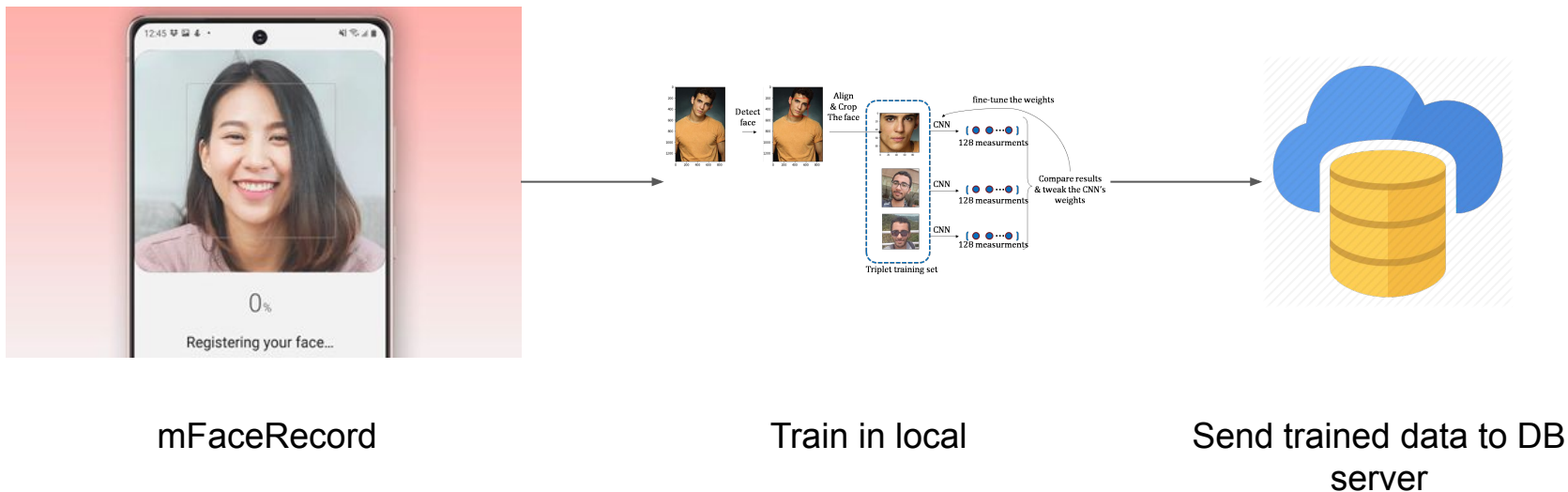
Register your face (app 2: mFaceRecord)

AI/iOTs Connection Hub - Face Recognition

Movan Face Verify AIoT application

- Deploy as software on mobile, or embedded in hardware
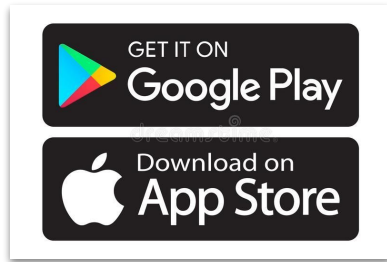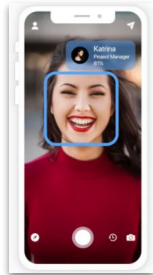
Mobiles Apps
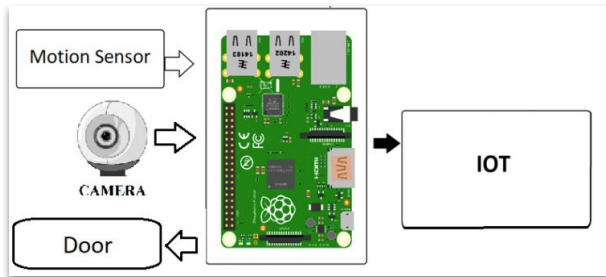
Embedded devices
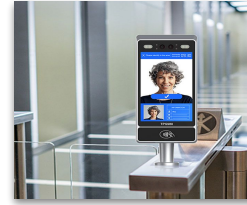
Access control

VIP sector

Law Enforcement

AI/iOTs Connection Hub - Face Recognition

Movan Face Verify AIoT application

Control access to apartment/car park/supermarket/house/kindergarten/school/hotel ..

AI/iOTs Connection Hub - Face Recognition

Movan Face Verify AIoT application

- Deploy as software on mobile, or embedded in hardware
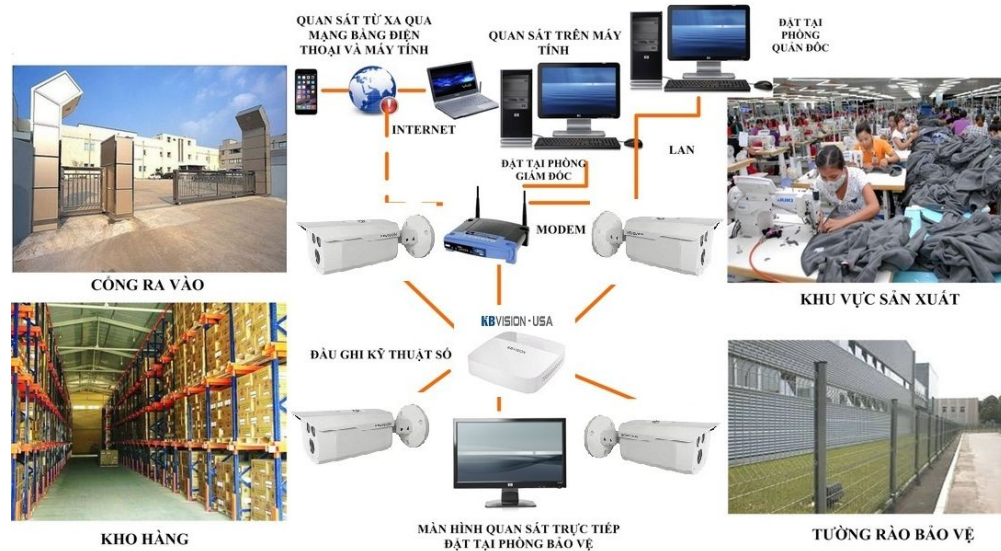
Factory access control/monitoring

AI/iOTs Connect Center(continued) - factory data connection

Factory data center

CNC

PLC

Camera

switch

nport

nport
wifi

gateway
wireless

Con người

movan
Trung tâm kết nối
Số hóa doanh nghiệp

Quy trình
kinh doanh

Máy móc
iOTs

movaŋ
Movan Work Better
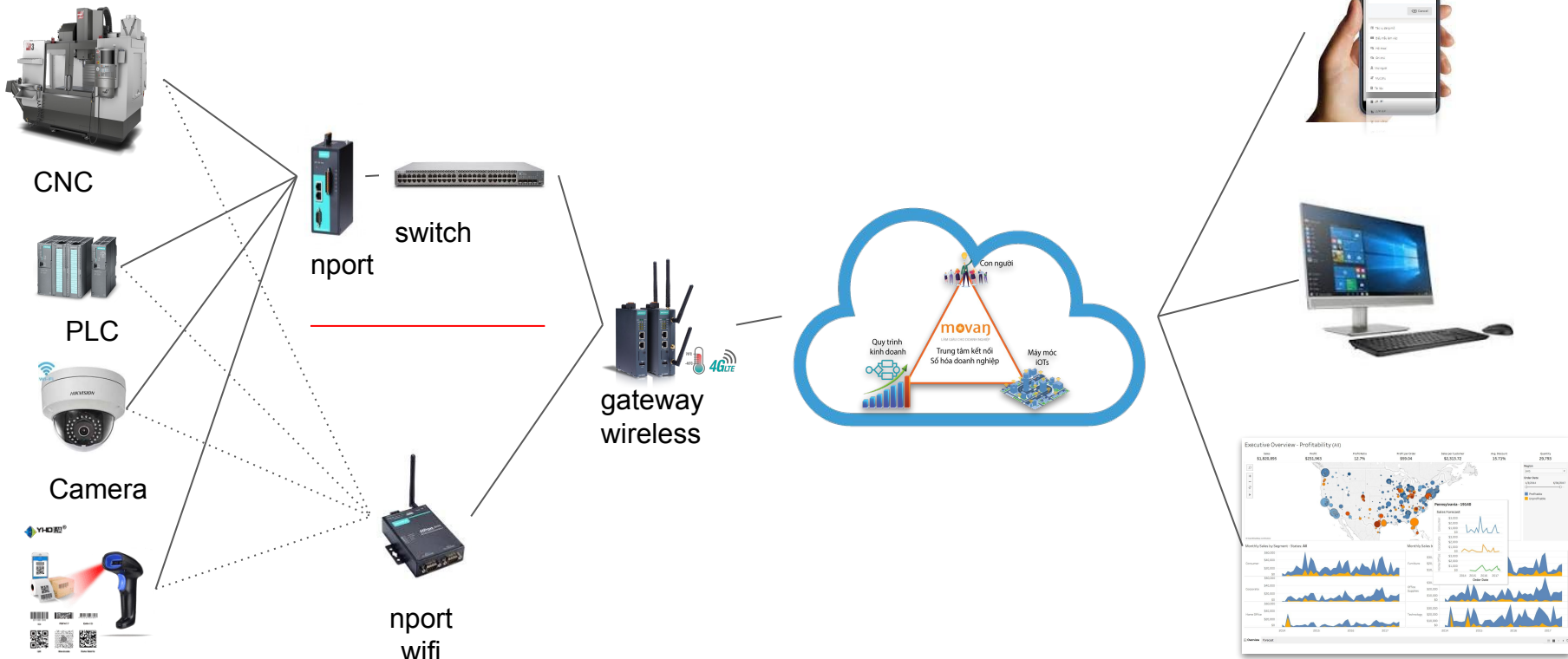
3rd Software Connection Center

Data Connection with Oracle DB

Movan ISO's database core was built from the ground up using Oracle databases to increase application stability and security.

In addition to the flexibility available, Movan ISO can also make easy connections with other internal Oracle DB entities of the organization / Enterprise, through RestAPI.

3rd Software Connection Center

Data Connection with PostgreSQL

Movan ISO is built to support JDBC by default, so by default PostgreSQL can be selected as the database for the system.
In addition to the flexibility available, Movan ISO can also easily connect to other internal PostgreSQL entities of the organization / Enterprise that have been and are using, through RestAPI PosgREST

3rd Software Connection Center

Connecting data with SAP HANA

Movan ISO is built with support for drag and drop RestAPI to easily create CRUD quickly and use it immediately.

With SAP APIs hub supporting JSON/http request, so the two systems can connect easily with each other.

3rd Software Connection Center

Connecting data to other systems

Movan ISO builds on the basis of expanding connectivity, to adapt to any technological fluctuations in the future. With that ideas, we have by default supported two platforms that specialize in connectivity, Apache Camel (open source) and MuleSoft (paid) in design. In addition, we also support popular microservices communication solutions such as ActiveMQ/ kafka/ RabbiTQM. All you need to do is declare connection parameters and drag and drop.

Filetypes:
- Plaintext, XML, HTML, CSV, JSON, ZIP, ...
- Apache Tika (MS Office, OpenDocument, ...)

Protocols:
- AMQP, DNS, FTP, HTTP, IRC, SSH, TCP/UDP, ...
- REST, GRPC, git, ...
- IoT: CoAP, MQTT, PubNub

Public Clouds:
- AWS: S3, SQS, Kinesis, ...
- Azure: Blob, Queue, ...
- Google: BigQuery, PubSub

Enterprise:
- Caches: Hazelcast, Infinispan, Redis, ...
- Cassandra, MongoDB, Kafka
- JDBC, SQL, JPA, CDI, EJB, JMS, JMX, OpenTracing, OptaPlanner, Syslog,

APIs:
- Social: Facebook, Twitter, LinkedIn
- Box, Dropbox, Google Calendar/Drive/Mail/Docs
- Salesforce, SAP, ServiceNow, FHIR
- GitHub, Jira, Telegram

Misc:
- Barcode
- Base64, JsonPath, Freemarker, Groovy, Mustache, Ruby
- Docker, etcd, Kubernetes, OpenShift,

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3rd Software Connection Center

Data connection to Tableau

Movan ISO has an open mind, the components are broken down and all configured according to APIs, making it easy to upgrade the system and connect.
With that approach, when businesses need in-depth analysis of business data, it is completely possible to connect with professional BI software like Tableau.
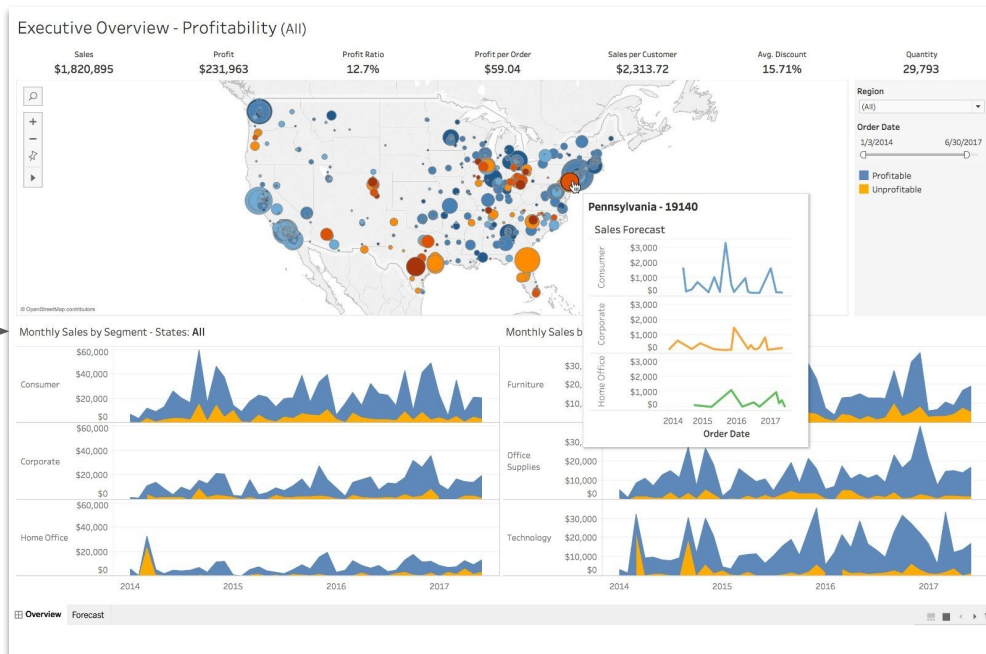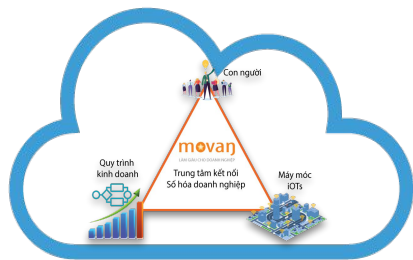
3rd Software Connection Center

Connect data with Microsoft Power BI

Movan ISO has an open mind, the components are broken down and all configured according to APIs, making it easy to upgrade the system and connect.
With that approach, when businesses need in-depth analysis of business data, it is completely possible to connect with professional BI software such as Microsoft Power BI.

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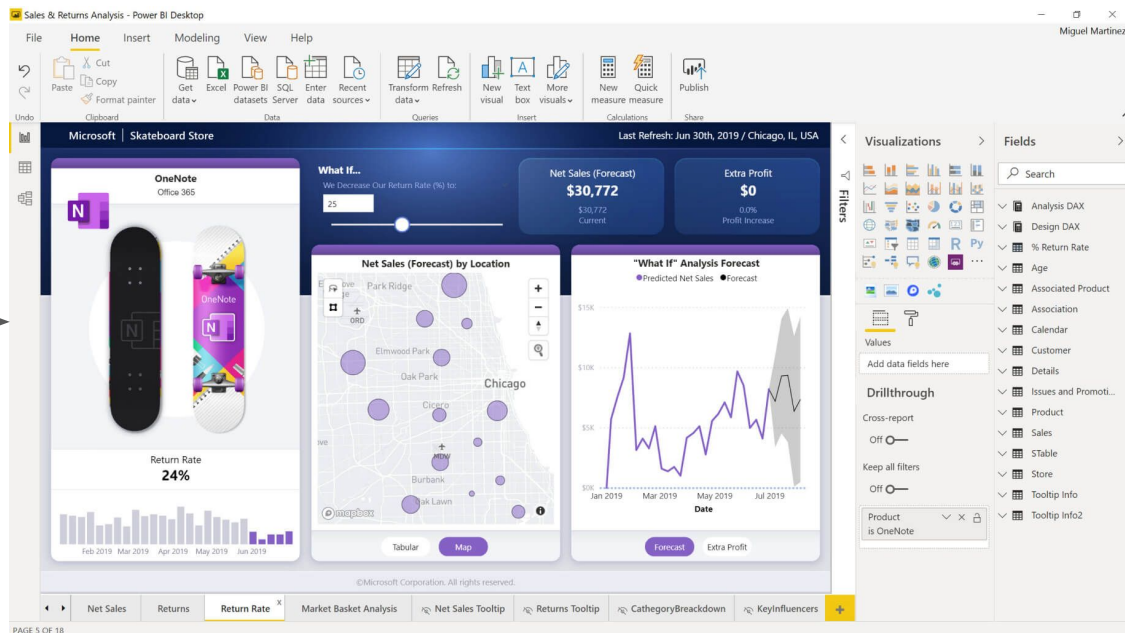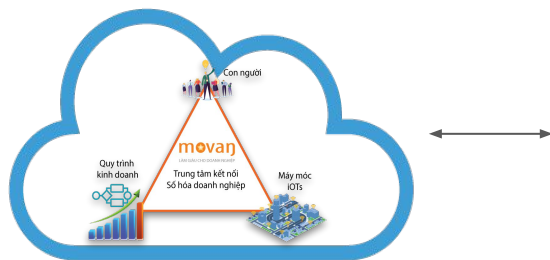
3rd Software Connection Center

Connect data with Google Data Studio

Movan ISO has an open mind, the components are broken down and all configured according to APIs, making it easy to upgrade the system and connect.

That way, when businesses need in-depth analysis of business data to help make decisions, it is completely possible to connect with professional BI software like Google Data Studio. Businesses often use it to analyze the overall status of projects/customers, forecast/statistics of upcoming projects, projects that are late in deadline, projects that are likely to have problems to promptly handle work management.
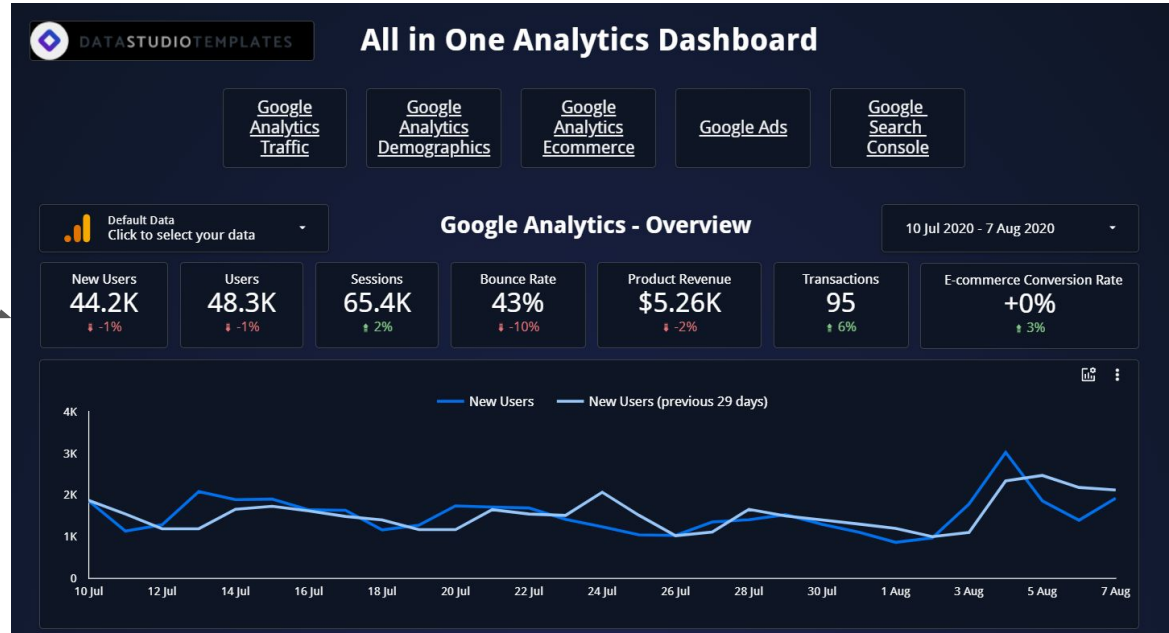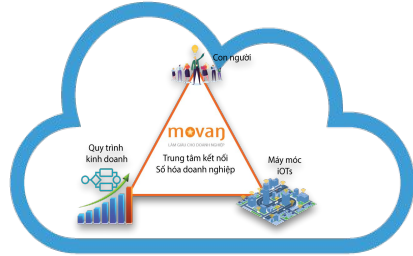
Security according to ISO 27000

Advanced Security with SSL Certificate

HTTPS only authenticates the server

Security according to ISO 27000

Security and Login Control

Movan ISO uses Spring Security library, it provides authentication and access control capabilities, provides connectors and adapters for many security standards like OAuth, SAML, basic authentication, etc. Designed to be highly customizable and adaptable to a wide range of security requirements.

(Spring Security classes are highlighted in green)
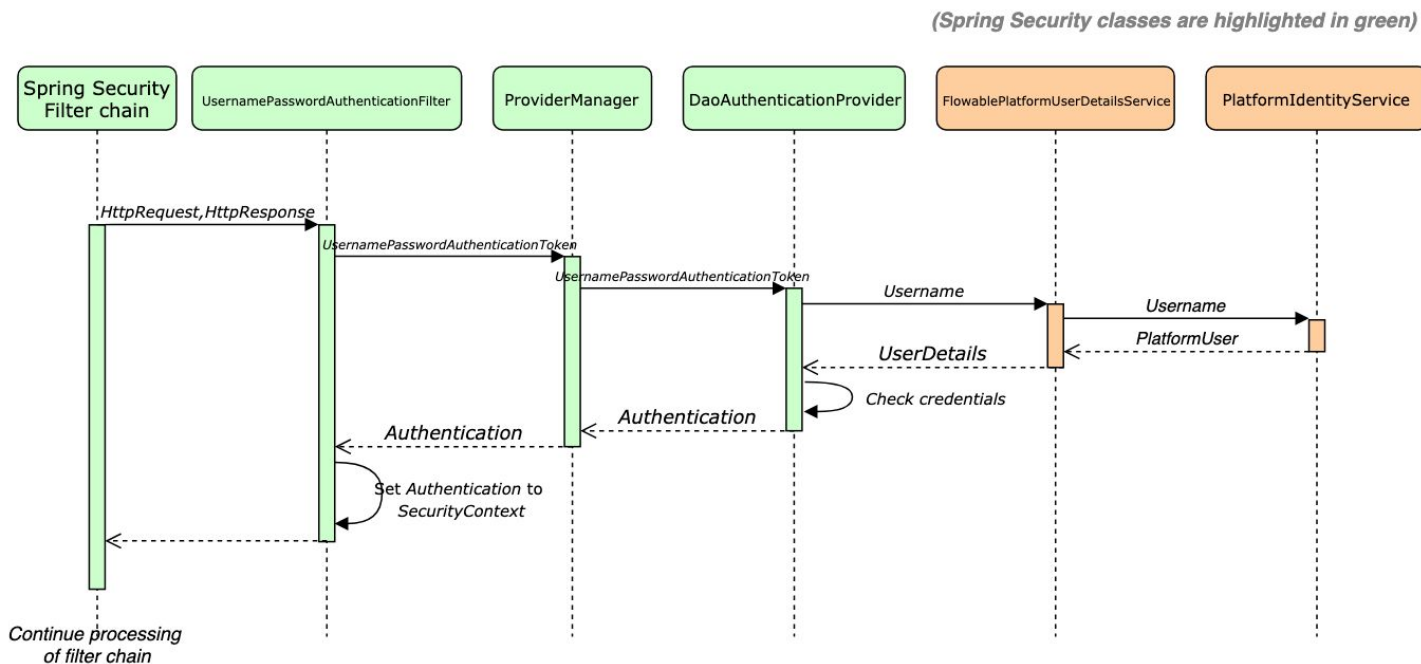
Security according to ISO 27000

Security and Login Control (continued)

Authentication/sign in options: basic authentication, OAuth, SAML, etc.
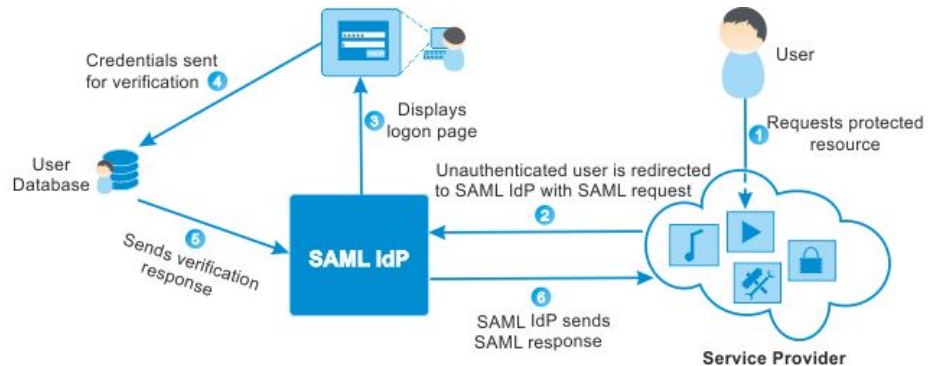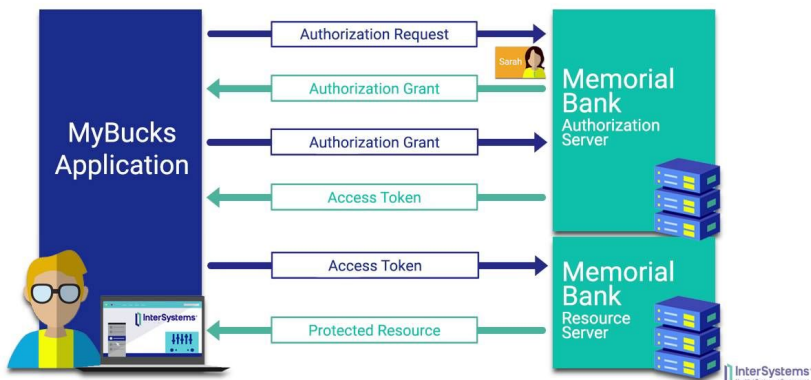
Security according to ISO 27000

LDAP server authentication

Movan ISO also supports LDAP (Lightweight Directory Access Protocol), if your organization is using LDAP (e.g. Microsoft Active Directory) to centrally manage employee identities, it is easy to connect to the system our system through a few lines of declaration.
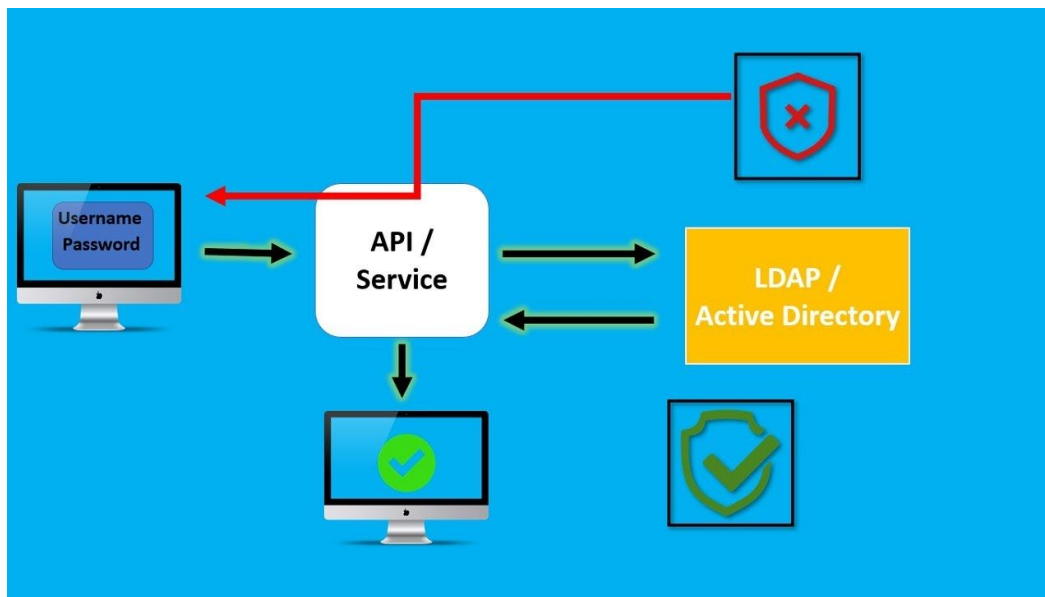
Security according to ISO 27000

Digital Signature Certificate Verification (advanced)

HTTPS also supports two-way authentication, whereby the browser authenticates the server's certificate and the client provides a certificate that authenticates the identity of the visiting user. Such a certificate can be stored on a USB SmartCard or used as part of an identification feature in the operating system.

With this solution, employee computers must have their own security certificate to be able to log in to Movan ISO software, and determine the uniqueness of the digital signature. This ensures that people outside the organization can see the organization's system interface, avoiding the eyes of hackers.
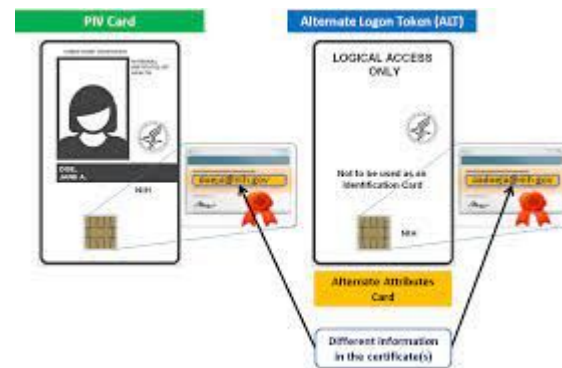
Security according to ISO 27000

Single Sign-On Custom Authentication (SSO)

In addition, we also have a team of engineers ready to assist in connecting to your organization's internal Single Sign-On (SSO) authentication system.
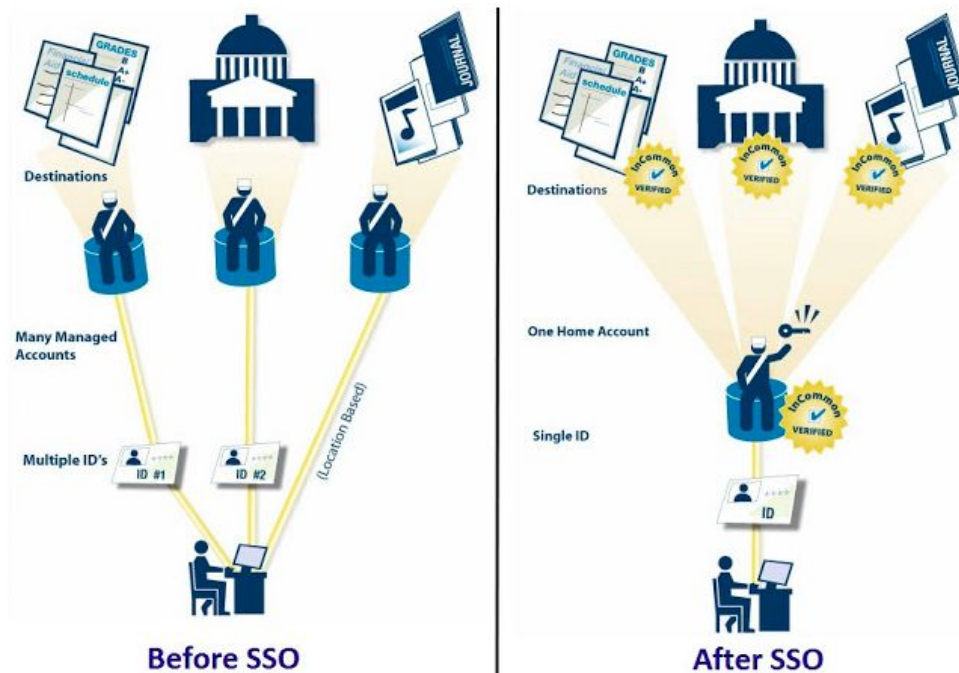
Security according to ISO 27000

Automatic data backup

In addition to the daily/hourly data backup option. Movan ISO offers Premium Data option: 3 synchronous data regions on, 3 world regions. With this option, it is possible to avoid less likely, but still existing risks such as natural disasters, war, nuclear.
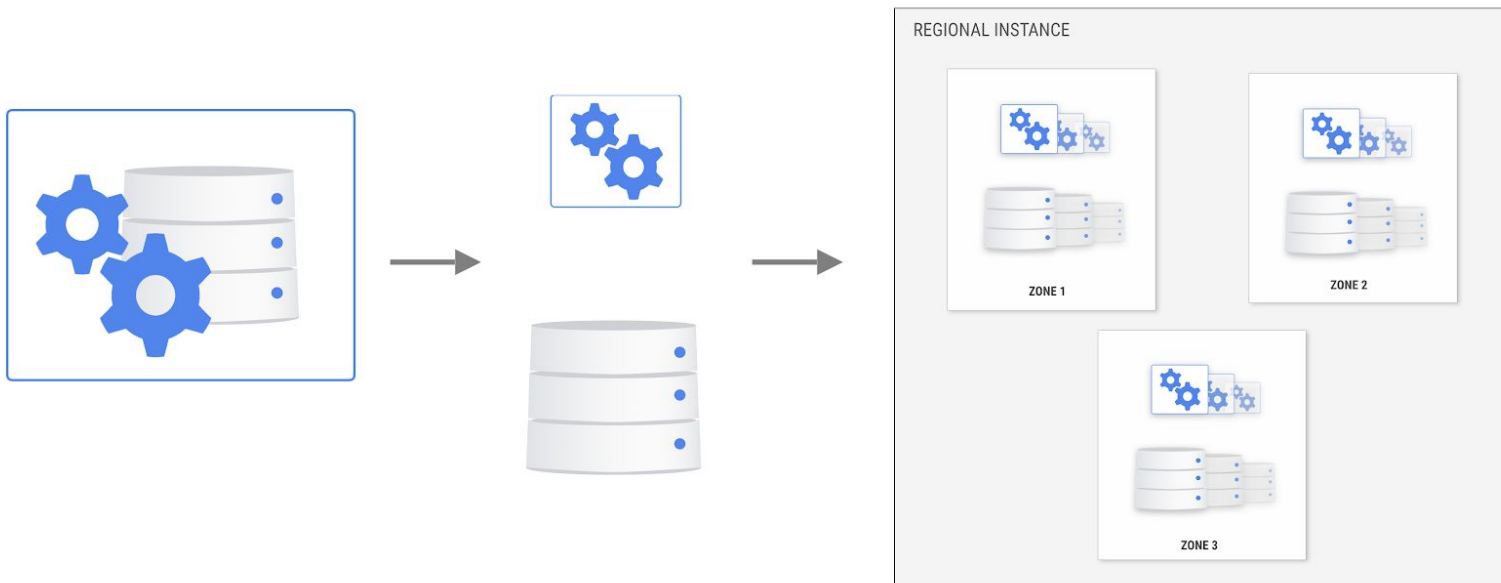
Ease of Use - Drag and Drop

With the concept of simplicity and ease of use idea, Movan ISO does most of the work in a drag-and-drop interface, making it easy for the user.

Create workflows quickly by Drag and Drop BPMN symbol blocks into a process (BPMN symbols on the leftmost column, drag flow on the middle screen and the rightmost column to add forms, analyze permissions or other advanced options for each step). Therefore, it can meet the complexity of business processes and deploy digitization quickly and easily without knowing how to code. An employee can learn to drag and drop the process on their own after a Movan training session. This gives businesses autonomy in the matter of process changes or process improvements later. Deploy automation right after the design is complete by clicking the "publish" button.

Ease of Use - 3 column for all screen

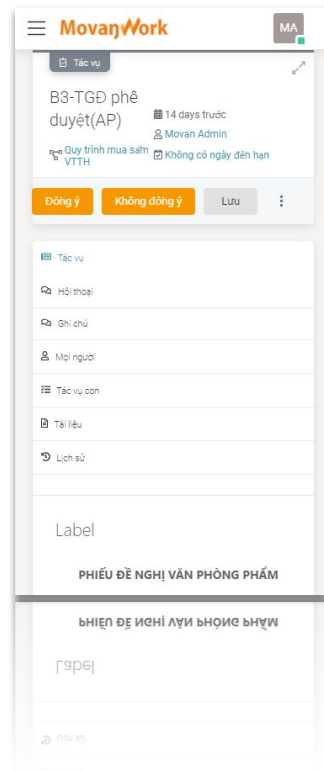UI/UI 3-column unified, easy to remember, easy to manipulate

Easy to use - mobile friendly

Display friendly on phone/tablet
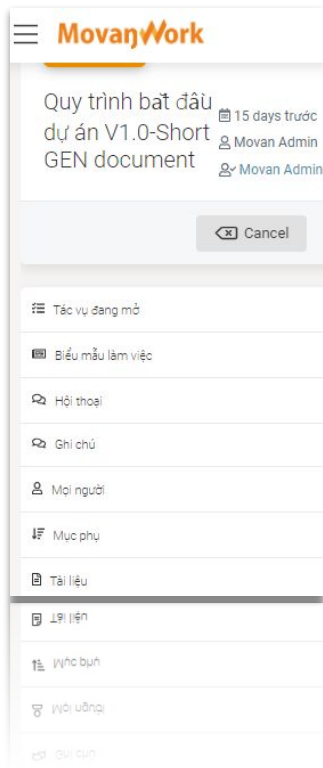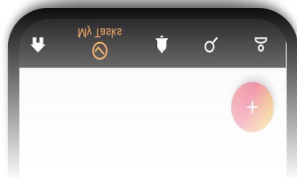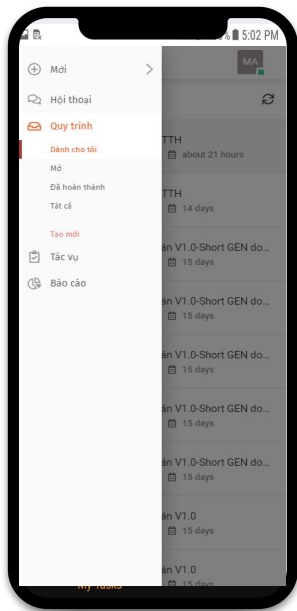
Easy to use - BPMN
Transparent process that everyone can understand

The BPMN 2.0 standard (ISO/IEC 195 International Standard) is a flow diagram drawing language/method.

BPMN with the main purpose is to bridge information between stakeholders in business processes in each department or between departments:

- Targeting process implementers, providing complete and detailed information for correct implementation.
- Provide a common standard and language for stakeholders: technical staff, sales staff, production process participants, managers, consultants…
- In particular, bridge the gap between planning and actual implementation by providing enough detail and clarity into the chain of business activities.
- BPMN diagramming can be much easier to understand than narrative text.
- Enables easier communication and collaboration to achieve the goal of an efficient process that produces high-quality results.

MOVAN BPMN COOKBOOK

movan
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Easy to use - BPMN
Transparent process that everyone can understand
Origin of the international standard ISO/IEC 195110 BPMN

For business/government agencies, one of the goals of building and developing Enterprise/Government digitization is to computerize business processes and link those business processes together, towards supporting the implementation of business process simplification and administrative reform. However, the problem that occurs in the process of computerization of business processes is that the business actors, the business process analysts, the technical developers (who are responsible for the computerization of the business processes) and business process manager (who monitors and manages the business process) have difficulty understanding each other's ideas.

That is the source for organizations to come together to come up with a process digitization standard according to the International Standard ISO/IEC 195110 BPMN (Business Process Modeling and Notation).

Easy to use - BPMN
Transparent process that everyone can understand
Benefits of process digitization according to ISO/IEC 195110 BPMN

The Business Process Model and Notation (BPMN) Standard whose primary purpose is to bridge the information gaps between stakeholders that frequently occur in the design and implementation business processes, has been widely used to model business processes in many organizations. BPMN assists both technical and business users in managing business processes by providing a common set of symbols that are intuitive and easy to understand for business users. The BPMN V2.0 standard has been widely applied in the fields of finance/banking/manufacturing/services and government in many countries around the world and is taught in the bachelor's system majoring in Business Analysis in Vietnam (schools of economics, finance, banking, IT) and is also being proposed by the Viet Nam Department of Standards Metrology and Quality to be included in the official promulgation of this standard in Vietnam.
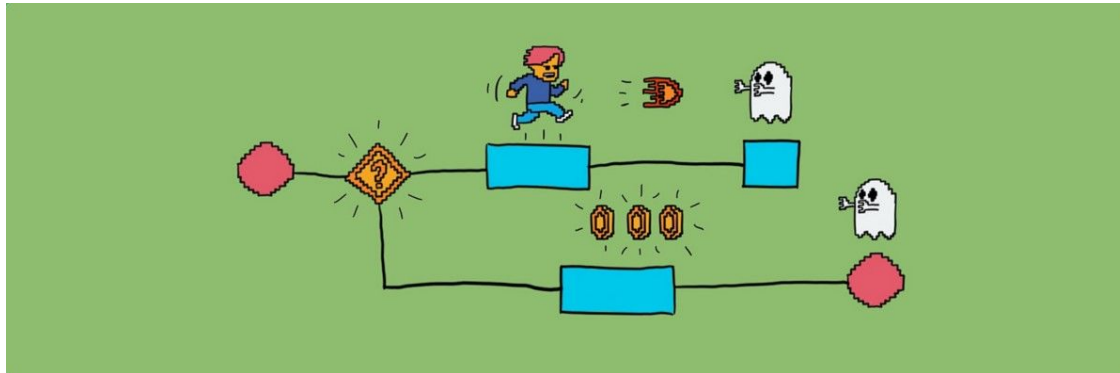
Easy to use - BPMN Transparent process that everyone can understand

Basic symbols of the BPMN language

To manage the business processes of an organization as a whole, it is necessary to describe and document them. There are many ways to do this, however, the easiest and simplest way is to use textual or tabular descriptions, flow charts. The BPMN 2.0 modeling standard for process diagrams has a total of more than 60 elements.

GATEWAYS		ACTIVITIES		EVENTS			
	Exclusive gates (XORs) trigger exactly one branch at a decision point or sequence line.		Start events that start a process entity.		Intermediate Timer Event: Cycle timer event, points in time, interval, or timeout.	Task	A task is a unit of work - the work to be done. This is an atomic operation in a process flow.
	The parallel gate (AND) activates all the rear branches simultaneously. They wait for all conditions to be fulfilled before triggering the output lines.		Intermediate events respond to in-process conditions/milestones.		Conditional mediation: React to changing business conditions or integrate business rules.	Loop Type Standard	An iterative task will repeat until a specified condition either applies or stops applying.
	Event-based gateways are instances based on subsequent decisions about events to occur. They depend on which event is modeled to occur first.		The end event completes the respective process instances.			Expanded Subprocess	An extended subprocess is a separable operation. It contains a valid BPMN diagram.

Easy to use - automatic delivery process, don't have to remember

The process involves many departments, many participants, drags over a long period of time, there are many notes, files.. Movan ISO software is available to automatically assign tasks, store forms, and take notes. , files, swap .. help you.
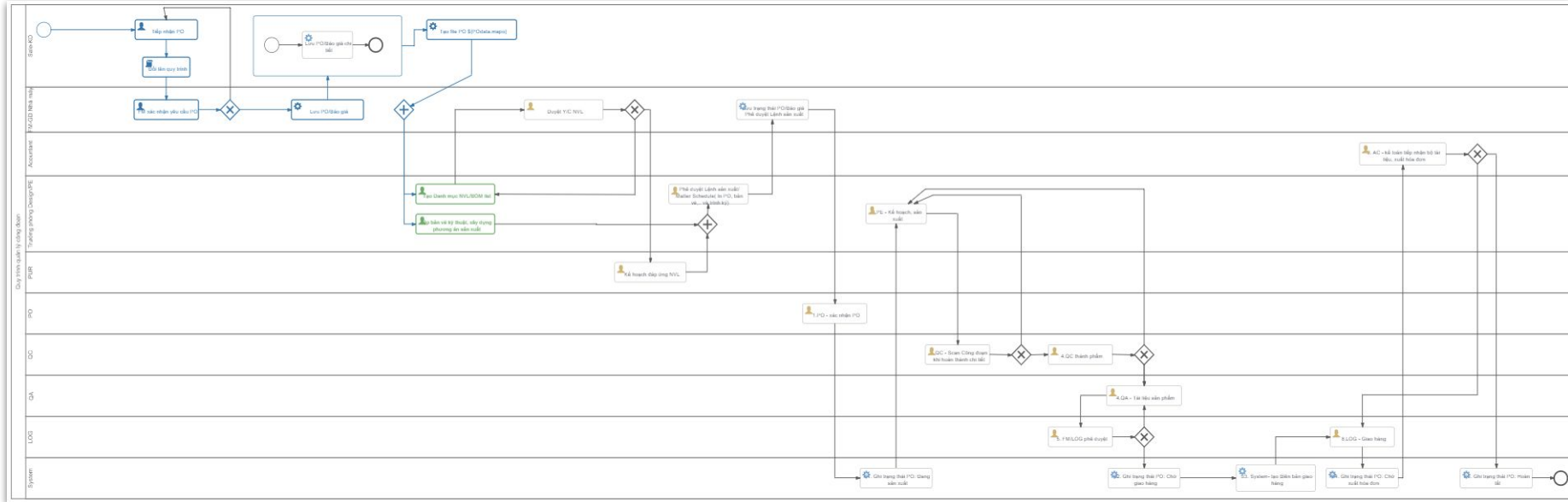
Photograph of a business's bidding process flow chart when presented on Movan ISO by BPMN language

Easy to use - easy updates business process

In the process of improving process performance, managers find it necessary to adjust to a new process, a process version management system will help create a new process while the old process is still working.
When you click deploy a new version, the new process will be synchronized and applied to all people/departments related to that process.

Easy - large system scalability - Scalability

Google Cloud Platform

Movan is a partner of Google Cloud Platform, so it has a team of experienced experts to help businesses/organizations digitize easily on GDC. Google Cloud Platform currently has 16 data centers and servers in 3 regions worldwide.

Movan ISO SaaS version, deployed by us on Google's infrastructure, makes the system stable, safe, speed and stable.
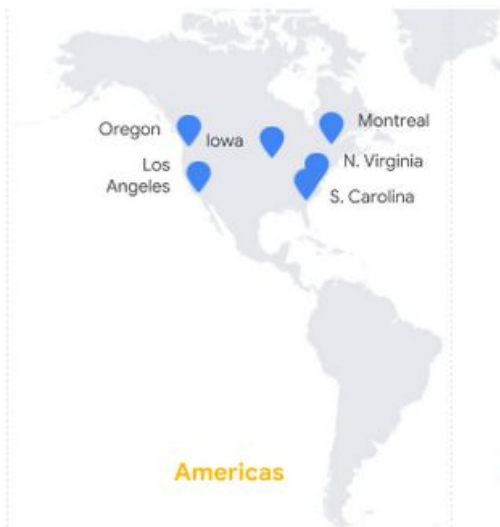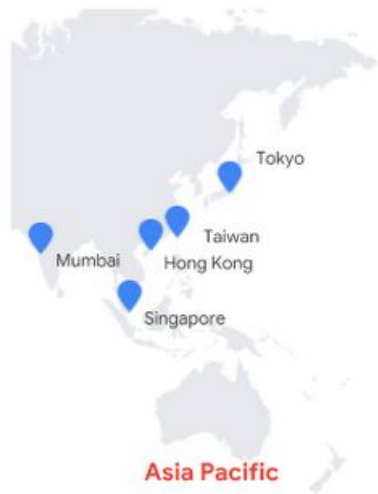
Easy - large system scalability - Scalability

Containers/Kubernetes

With the problem of enterprises with thousands of employees, many facilities, millions of data units/second, continuous data. Movan ISO is fully responsive to virtualization technology using Kubernetes and Docker.

The system can make operation smooth, stable and easy to maintain even in case of staff usage spike.

Compare Self-Programming with Movan ISO drag-and-drop solution
Compare Movan ISO with develop software by traditional way

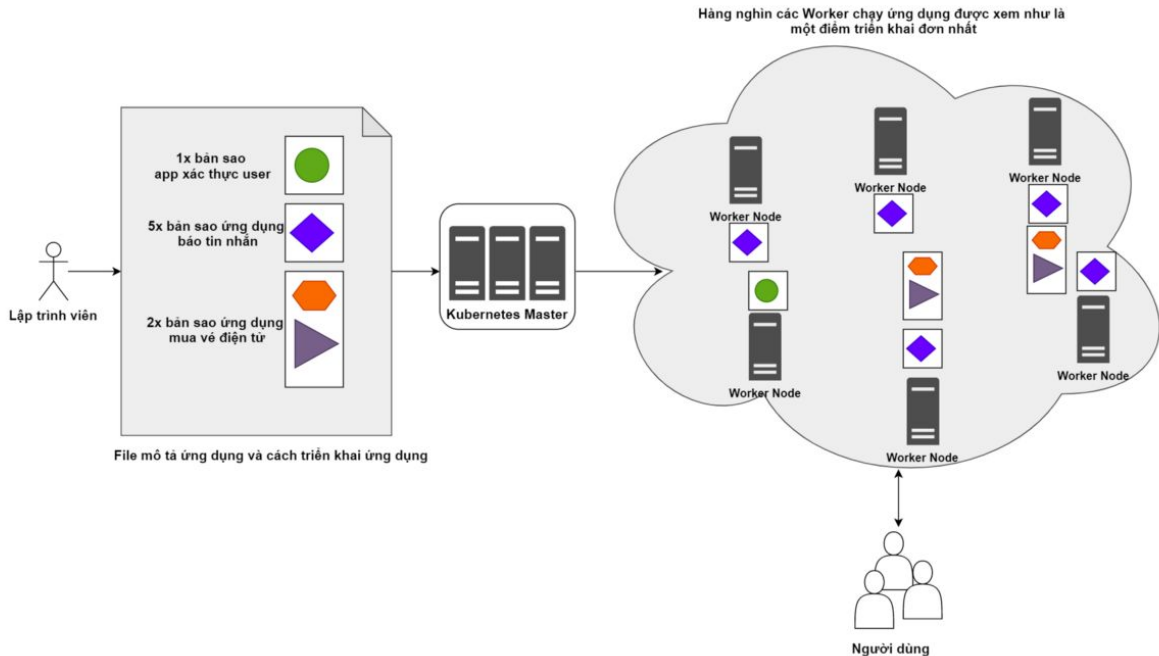| No.	Steps	Traditional way	Details	Movan ISO	Details
1	**Collect requests**	⏳ 💸	Project Manager (PM): Gather digital requirements of businesses, create projects, select technology, allocate budgets, time, group staff: process staff (BA), system staff, programmer ..	✔	Project Manager (PM): Gather digital requirements of businesses, create projects, allocate budgets, timing, process staff allocation (BA). Shorten project planning time.
2	**Business Process Analysis and information infrastructure systems**	⏳ 💸	Process staff (BA): Interview, collect information about current business processes, give the appropriate process to digitize, forward information to the team of programmers. The System staff collects information about IT infrastructure and talks with the Chief Technology Officer / PM / Programmer to select technology / engineering, hardware equipment, network infrastructure	✔	Process staff (BA): Interview, collect information about current business processes, digitalize by dragging and dropping process business blocks right on the Movan ISO interface in the field, process can run, no need to wait for programming / coding, no need to choose complicated technology / techniques. BA staff and customers perform process test while dragging the process on Movan ISO, ensure that publish the process immediately.
3	**Programming Software**	⏳ 💸	Programmers receive information from PM and BA, based on which they perform the programming of interfaces, programming features of the business.	✔	Skip this step, no need to forward information through many people and wait for programmers / coding
4	**Testing**	⏳ 💸	The tester staff, based on the results of the programming performing the software tests such as interface, features, performance, security, etc., passing the information to the team of developers in step 3, redo this process for until the order is placed	✔	Skip this step, no need to test the code. MovanISO software has been carefully tested and has a unified interface that is easy to use on both computers as well as phones / tablets.
5	**Programming and modifying code / software interface**	⏳ 💸	Customers receive the software version tested, then apply it in the enterprise, record and give feedback on business functions, interfaces for PM and BA to improve and change the software. Repeat from step 2,3,4 to wait for the programmer to modify.	✔	Skip this step, when the customer needs to change the business, it only needs to change by dragging and dropping business blocks right on the MovanISO interface and publishing / synchronizing the new process immediately, without waiting for the programmer to edit change.
6	**Operation & maintenance**	⏳ 💸	Develops staff implement installation and operation / maintenance of information technology infrastructure. Other departments follow up and continue to improve starting from step 1	✔	Skip this step, Movan takes care of the package, customers do not need to worry about operations, data backup, maintenance, security ..

Comparison of process software with Movan ISO

Compare MovanISO with Other Process Software

Origin	Product's name	URI	Pricing	Following ISO BPMN 2.0	Programming language	Data connectivity	Implementation method	Other advanced ability/ Module
Movan	Movan ISO	https://movan.vn/	350.000vnđ/user/ month for all feature	Fully supports ISO BPMN 2.0 standard	74 BPMN 2.0	Open more than 300 data connection ports with both hardware machinery and 3rd party software (ERP: Oracle, SAP, ...; HRM, CRM, Accounting, ...) Smart factory deployment support later.	Cloud, Private server Drag and drop process according to BPMN standards	- Over 300 strong connections with databases, iOTs hardware .. via Camel and Mule, HTTP .. - Exchange information right in each job task, help employees focus on work and easily look up - Decentralize, set reminders for specific tasks for each person / department - Push notification of work via multi-channel: mobile app, website, email, PC, tablet ... to avoid delay - Look up how work is going on in the process Help with process version management - Help report, find bottlenecks for process improvement - Centralized archive of records, information, documents, photos - Help to approve jobs easily, integrate digital signature - Help automatically fill, create documents, contracts according to the correct form of the business required to print and store online / offline - Technical support write more connection ports
Foreign	Jira Core	https://www.atlassian.com/software/jira/core	15 $ / user / month for the less featured version. Advanced version costs 40 $ / user / month	No support	Step flow	Need to purchase additional third-party plugins	Cloud, Private server Need to buy more plugin for $ 2.5 / user / month to drag and drop dripflow process No additional code for each customer, need to buy Plugins	- Group work according to each project - Supports project management in both waterfall and scrum style - Effective management, project performance - Support for git management

Comparison of process software with Movan ISO

Compare MovanISO with Other Process Software

Origin	Product's name	URI	Pricing	Following ISO BPMN 2.0	Programming language	Data connectivity	Implementation method	Other advanced ability/ Module
	SAP PowerDesigner	https://www.sap.com/products/powerdesigner-data-modeling-tools.html	The pricing range for a HANA 1000 to 2000 GB version would be a one-time cost of around $ 6.2 million. At 20% per year, this adds up to a support fee of $ 1.24 million.	SAP own customization	Dripflow does not fully comply with BPMN 2.0, SAP's own BPM standard	Included SAP Operational Process Intelligence module in SAP HANA database suite	Cloud, Private server Drag and drop, BPMN is not supported The code adds its own feature at a large cost, hiring a third party	- Tương thích và phù hợp với mọi sản phẩm trong hệ sinh thái của SAP
Microsoft	Microsoft Power Automate (SharePoint)	https://flow.microsoft.com/en-us/pricing/	15 $ / user / month for the less featured version. 40 $ / user / month advanced version.	No	Step flow, build connections	Built-in 700 connections with other software, for example Micosoft 365, email, .. Need more code to connect to third-party databases	Cloud, there is no installation on client's own server No additional code for each customer, hire a third party	Built-in 700 connections with third-party software
1Office	1Office	https://1office.vn/quy-trinh/	60,000-100,000 VND / user / month, other modules have to pay extra	No	Drip flow is self-developed by 1Office, does not fully comply with BPMN 2.0	Only internal modules are connected in 1Office	Cloud, there is no installation on client's own server Drag and drop, BPMN is not supported No additional code for each customer	Because only internal modules are connected in 1Office, businesses can only use the features of 1Office and have to change all the software they are using.

Comparison of process software with Movan ISO

Compare MovanISO with Other Process Software

Origin	Product's name	URI	Pricing	Following ISO BPMN 2.0	Programming language	Data connectivity	Implementation method	Other advanced ability/ Module
Base.vn	**Base Workflow + Base WeWork + Base Request**	https://base.vn/workflow	Purchase each module individually: 30 user separate price for administration process 1.2 million / month ~ 40,000vnd / account / month (Required to pay annually) 60 users cost 2.4 million / month ~ 40,000vnd / account / month More than 60 accounts will be sold in packages (for example there are 65 users, customers will have to buy a frame of 70 accounts). Performance management package: work, process, proposal Human resource management package: payroll timekeeping Management of company internal information	No	Step flow, does not support complicated branching process	Priority is to only connect internal modules in Base	Cloud, there is no installation on client's own server Drag and drop, does not support complicated multi-branch process, does not support BPMN No additional code for each customer	- Because only internal modules in Bases are connected, businesses can only use Base features and have to change all software in use. There are currently a number of API ports open but are very limited. - No technical support for additional port connection
Fastwork	**Fastwork Work+**	https://fastwork.vn/phan-mem-quan-ly-quy-trinh/	20,000vnd / user / month. Selling by user package: 10 users 300,000 VND / month ~ 30,000 VND 30user 700k / month 60 users 1.4 million / month Over 60 users charge 20,000 VND / user / month)	No	Pieline for simple processes and Step flow for use with more complex processes. The branching process is not supported. If the process is complex, it will split into many	Interconnecting modules internally in Fastwork. Support to connect with other software. But it has to	Cloud, there is no installation on client's own server Drag and drop, does not support complicated multi-branch process, does not support BPMN No additional code for each customer Store on Viettel IDC. Use on a separate system with a code to	Fastwork is divided into many small modules like Base and 1Office. The ports connected to the 3rd party are limited. Currently there is no support for writing more and if they need to write more they will push to a

7 6

Compare process digitization with Movan ISO and other management solutions

Process digitization comparison: Movan ISO and other management solutions

No.	Steps	Movan ISO	CRM/ERP/EMS.. software
1	International standard language	Drag and drop process is flexible according to international ISO standards	It is necessary to reprogram the modules, to suit the actual business process / requirements
2	Implementation steps	Drag and drop the process in accordance with the actual operation of the business, and then drag and drop any process to implement that process into practice. Easy-to-use, unified and mobile-friendly software interface; only need 15-30 minutes of training 1 time to be used.	Built-in modules. Organize training on using software by modules and departments. Get the modification request, wait for the team of developers to make the required change, then retrain.
3	Deployment method	- Drag and drop processes, deploy processes at the same time, immediately, saving a lot of time and money. - Deploying SaaS format, customers only need to pay subscription fee and use it with complete peace of mind. Movan will cover all costs for servers, IT infrastructure, and Movan employees do all the complicated technical work behind maintenance and security ...	- Programming changes according to business requirements. Conducting multi-day training is time consuming and expensive - Difficult to apply SaaS, so need to rent or buy a private server. At the same time, businesses also have to worry about hiring internal or external personnel to operate and maintain the system. As well as having to sign maintenance contracts, updating software code, besides having to wait to receive results after modifications
4	Deployment time	- Fast, pull the process to any where can check and test at the right time	It is time consuming and costly for a request to transmit the request through many people, departments .. Need to wait for the programmer to modify the source code, test the software ..
5	Supports open connections	Movan ISO is designed with an open and collaborative mindset. Our designs aim to comply with common international standards such as ISO standards, communication standards. Currently we are supporting more than 300 connection standards that are enough for most of the organization / enterprise's digital and networking needs, including RestAPI, pub / sub, mqtp .. - MovanISO also supports the flexible connection with iOTs hardware and machinery - MovanISO Positioning as the connection center, opening a secure connection port, is a great solution to synchronize Process / Data from different sources, synchronize the currently used software of the business. friend.	- Most domestic software in Vietnam are very closed, not connected to the outside. For example: accounting software MISA, other homemade software. Not opening the connection available, wanting to connect requires a lot of effort, directly intervening in the database, both unsafe and a lot of money and time. - Not supported / poorly connected iOTs - It is very difficult to synchronize Process / Data of different software in use in your business.

Compare process digitization with Movan ISO and other management solutions

Process digitization comparison: Movan ISO and other management solutions

No.	Steps	Movan ISO	CRM/ERP/EMS.. software
6	**Operation & maintenance**	Movan ISO is provided in SaaS format, charging only one subscription fee, with no hidden costs. We perform centralized management for thousands of users at the same time, using a high-performance cloud infrastructure. We have the budget and the staff to take care of the whole package of operations, maintenance, security, data backup, software updates ... at no additional cost. - Businesses save a lot of money and time, to focus on their main business	- Customers hire employees to deploy or operate or hire other units to do. - Loss of a software / IT engineering manager that your company is not specialized / experienced. - Lots of hidden costs and risks.
7	**Scaling up, changing processes and operations ..**	- MovanISO is designed with a flexible and flexible mindset from the beginning. - We have a system of drag and drop blocks according to international open standards, along with the opening of secure connection ports with more than 300 open connection standards of the world. Movan ISO fully responds to the changes in size, profession, process, machine, technology in the future of your business / organization. When making changes, just drag and drop blocks as easy as you want. - When using SaaS, you do not have to spend any other money, everything for Movan to take care of such as updating software, technology, infrastructure ..	- The business software is designed with closed maintenance and requires customers to spend extra money for any changes coming from the customer side or even from the technology side (e.g. hardware replacement, part replacement operating system software) - You have to spend a lot more money and time waiting for them to program more and modify your software to accommodate the change.
8	**Price comparison**	- With the mission of helping Viet Nam businesses, Movan ISO is designed with the goal of providing customers with the best solution in technology and the most reasonable cost to deploy. Therefore, we choose to distribute the software in the form of SaaS software rental, centralized management to help reduce operating costs, maintenance, security, backup .. - Along with that is the flexibility of the business process drag and drop tool that saves a lot of time, money as well as manpower to digitize customer processes / data. - All costs have been optimized to provide you with high-end services at the best prices. Commitment to cost transparency, everything can be measured and estimated from the start, with no hidden costs.	- Modifying a completed house takes a lot of time and money, there are few professional software that are right for the business. It takes developers to wait for developers to change modules to suit them, and then have to organize training to learn software again. - The implementation is also quite diverse. Software companies who want to lower prices often hide hidden costs by asking customers to buy software for a one-time payment and then install it on their computers (say it is safe and secure). confidentiality), .. but in fact, after using, there are many hidden costs: software repair fee, software update fee, support staff fee, server hardware fee is damaged (due to inexperienced customers operating experience, unqualified data room), fees for hiring IT personnel to operate ..

Compare Movan ISO with other BPMN software

STT	Title	Movan ISO	Activiti	Bizagi BPM Suite	HP Process Automation	IBM BPM	Oracle BPM Suite	BPMN Sketch Miner	BPMN Visio Modeler	bpmn.io	Camunda	Cardanit	Eclipse BPMN2 Modeler	Enterprise Architect	Flowable	jBPM	LucidChart	Microsoft Visio	Signavio	TIBCO Active Matrix	Yaoqiang BPMN Editor
1	Creator	**Movan JSC**	Alfresco	Bizagi	HP	IBM	Oracle	Cesare Pautasso	Trisotech	Camunda	Camunda	ESTECO SpA	Eclipse	Sparx	Flowable	Red Hat	Lucid	Microsoft	Signavio	TIBCO	史耀强
2	Platform/OS	Cloud or On-premise (Windows, Linux) server)	Windows, Linux	Windows	Java / Windows	eclipse based tool	Oracle Fusion Middleware	Browser	Windows	Cloud	Cross-platform	Cross-platform	Cross-platform	Windows, Linux, Mac	Windows, Linux, Mac	Cross-platform	Cross-platform	Windows	Cloud or On-premise	Linux, Windows	Windows,Linux,Mac
3	BPMN Version	BPMN 2.0+	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0+	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0	BPMN 2.0
4	DMN support	✔	✔	✘	✔	✔	✔	✘	✘	✘	✔	✘	✘	✔	✔	✘	✘	✘	✘	✔	✘
5	Excel functions support	✔	✘	✘	✘	✘		✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
6	Docx support	✔	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✔	✘	✘	✘	✘	✘	✘
7	PDF support	✔	✔	✘	✘	✘	✘	✘	✘	✘	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
8	RestAPI	✔	✔	✔	✔	✔	✔	✘	✘	✘	✔	✘	✘	✘	✘	✘	✘	✘	✔	✔	✘

Compare Movan ISO with other BPMN software

STT	Title	Movan ISO	Activiti	Bizagi BPM Suite	HP Process Automation	IBM BPM	Oracle BPM Suite	BPMN Sketch Miner	BPMN Visio Modeler	bpmn.io	Camunda	Cardanit	Eclipse BPMN 2 Modeler	Enterprise Architect	Flowable	jBPM	LucidChart	Microsoft Visio	Signavio	TIBCO Active Matrix	Yaoqiang BPMN Editor
9	iOTs support	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
10	Mobiles App	✔	✔	✗	✗	✔	✗	✗	✗	✗	✔	✗	✗	✗	✗	✗	✗	✗	✗	✔	✗
11	Multi languages	✔	✗	✗	✔	✔	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
12	Oracle DB support	✔	✔	✔	✗	✗	✔	✗	✗	✗	✗	✗	✗	✗	✔	✗	✗	✗	✗	✗	✗
13	Automation Engine	✔	✔	✗	✔	✔	✔	✗	✗	✗	✔	✗	✗	✗	✔	✗	✗	✗	✔	✔	✗
14	SAP HANA support	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
15	Mulesoft integration	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
16	Apache Camel integration	✔	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✔	✗	✗	✗	✗	✗	✗
17	MQTT protocol	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
18	Kubernetes container	✔	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Compare Movan ISO with other BPMN software

STT	Title	Movan ISO	Activiti	Bizagi BPM Suite	HP Process Automation	IBM BPM	Oracle BPM Suite	BPMN Sketch Miner	BPMN Visio Modeler	bpmn.io	Camunda	Cardanit	Eclipse BPMN2 Modeler	Enterprise Architect	Flowable	jBPM	LucidChart	Microsoft Visio	Signavio	TIBCO Active Matrix	Yaoqiang BPMN Editor
19	ActiveMQ	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
20	Kafka	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
21	RabbiTQM	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
22	PostgreSQL	✔	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✔	✘	✘	✘	✘	✘	✘
23	PostgREST	✔	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
24	SaaS cloud	✔	✘	✘	✘	✘	✘	✘	✘	✘	✔	✘	✘	✘	✘	✘	✘	✘	✔	✘	✘

Deploying Digital Transformation with Movan ISO

No.	Step	Note Digitizing/automating processes using Movan ISO
0	**Set up/declare information**	If customers use their own server, it will take 1-2 days to install. If customers use the SaaS version deployed in the cloud, they only need to declare the information to install for the business, depending on the number of employees of the customer.
1	**Collect requirements**	Project Manager (PM): Collect business digitization requirements, set up projects, allocate budget, time, arrange process staff (BA). Shorten project development time.
2	**Business Analysis Process and information infrastructure**	Process staff (BA): Interview, collect information about current business processes, perform digitization by dragging and dropping process business blocks right on Movan ISO interface at the scene, process always running, no need to wait for programming/coding, no need to choose complicated technology/engineering. BA staff and customers perform process testing right while pulling the process on Movan ISO, do not be sure, publish the process into practice immediately.
3	**Training uses software**	In 15-20 minutes, staff can understand the 3-column menu/list/detail interface, apply immediately and use it easily on both Computers and Phones.

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Deploying Digital Transformation with Movan ISO
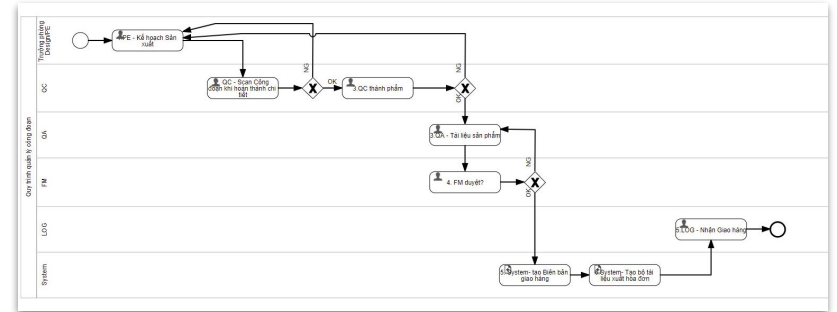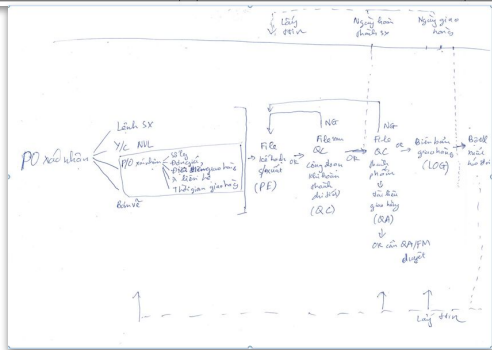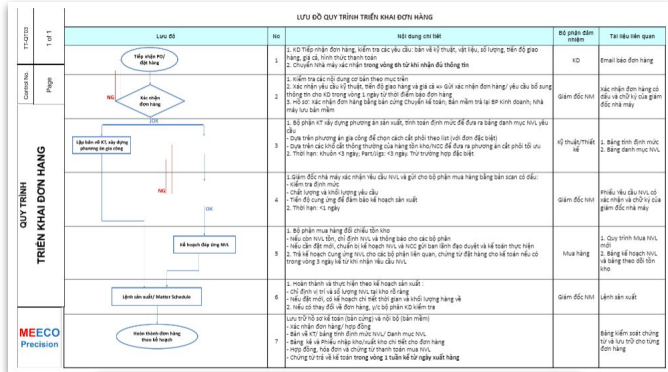
Reasonable cost, Easy to deploy, fast deployment time.

Movan ISO is designed to be flexible, Drag & Drop; fast to deploy, apply, easy to adjust:

❖ Flexible process handover; Set up and draw the ISO process to put it into practice right away. Built-in Process Version Management, PDCA Practice Forms.

❖ With Movan ISO by Drag & Drop process with flexible logic blocks without waiting for long code time. Save up to 90% of the time and cost that businesses build their own management software that is difficult to repair and maintain.

❖ User-friendly with mobile device. Use mobile apps to get things done; Easy information exchange and reporting

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Deploying Digital Transformation with Movan ISO

Automate Process Delivery / Digitize Documents and Forms

Paper-based processes, verbal descriptions are digitized on Movan ISO into a runnable process, and electronic forms store data centrally on Movan ISO
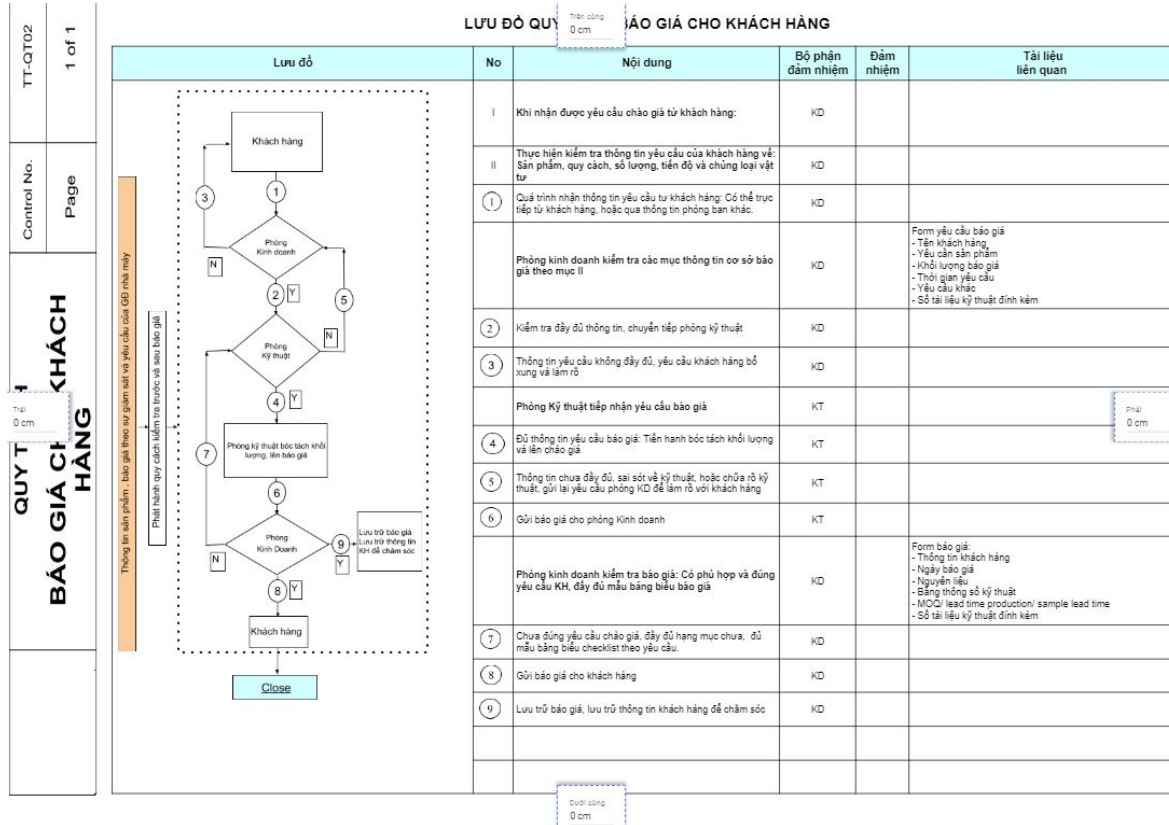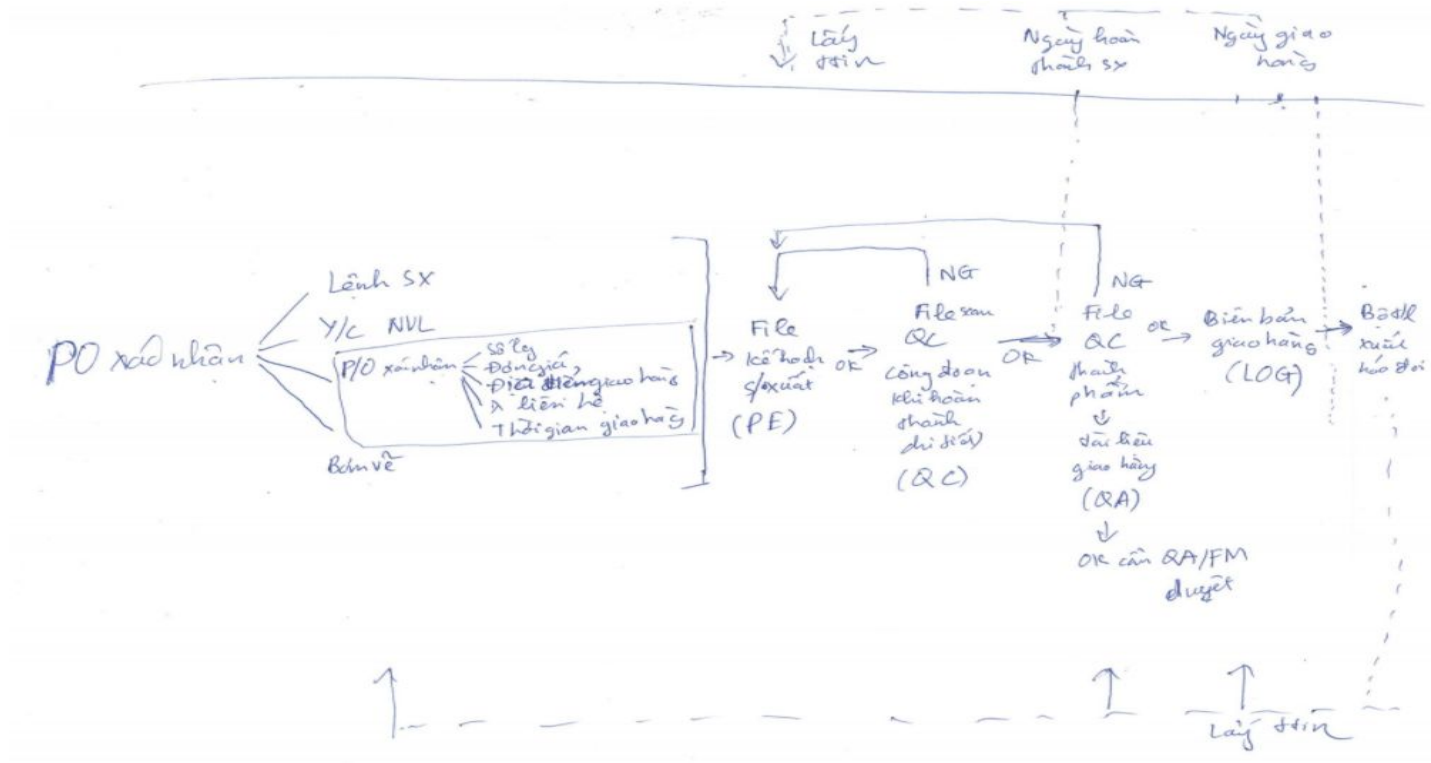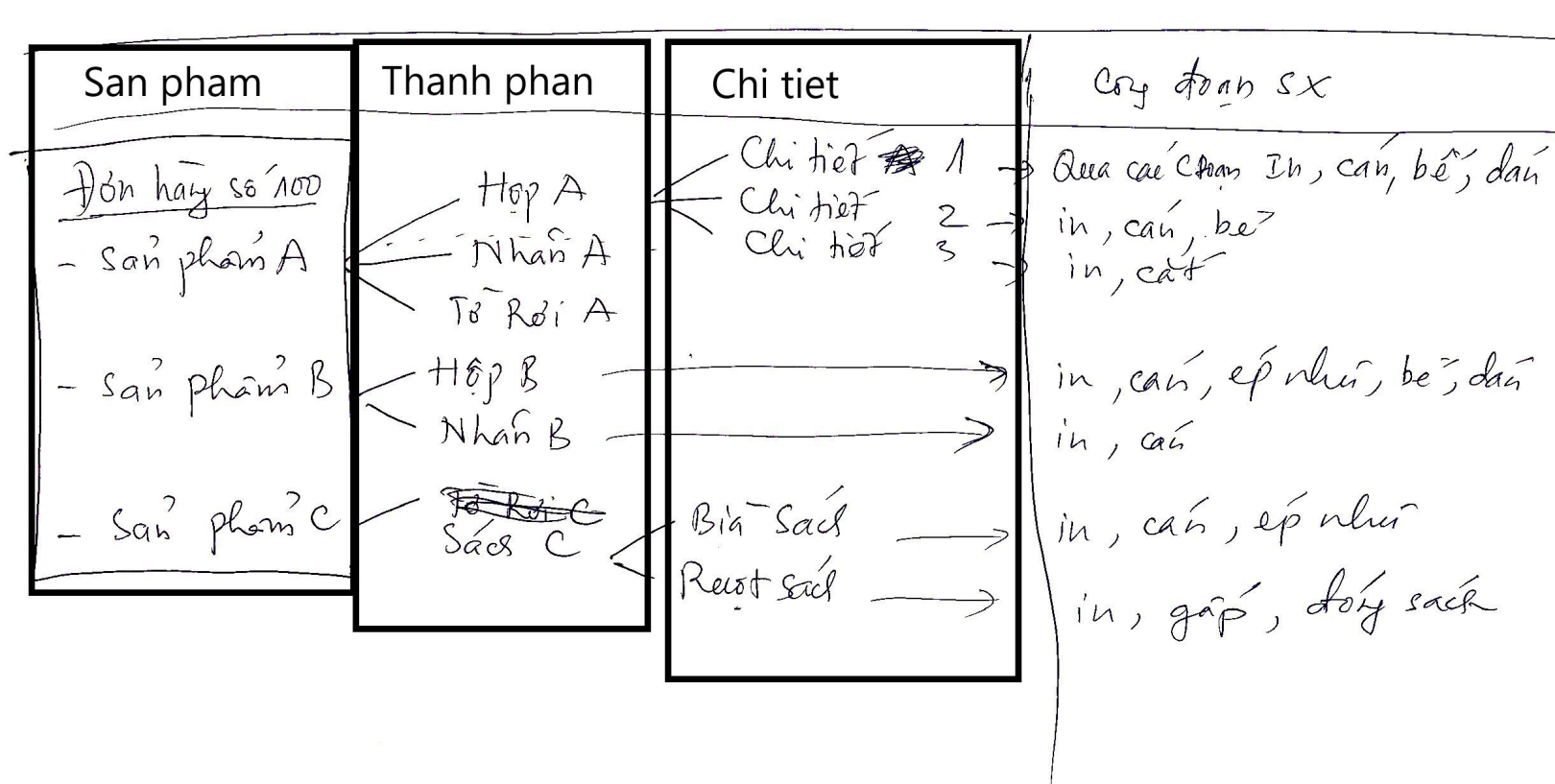
Factory digitization example

Digitizing the production process, outsourcing orders process

Factory digitization example

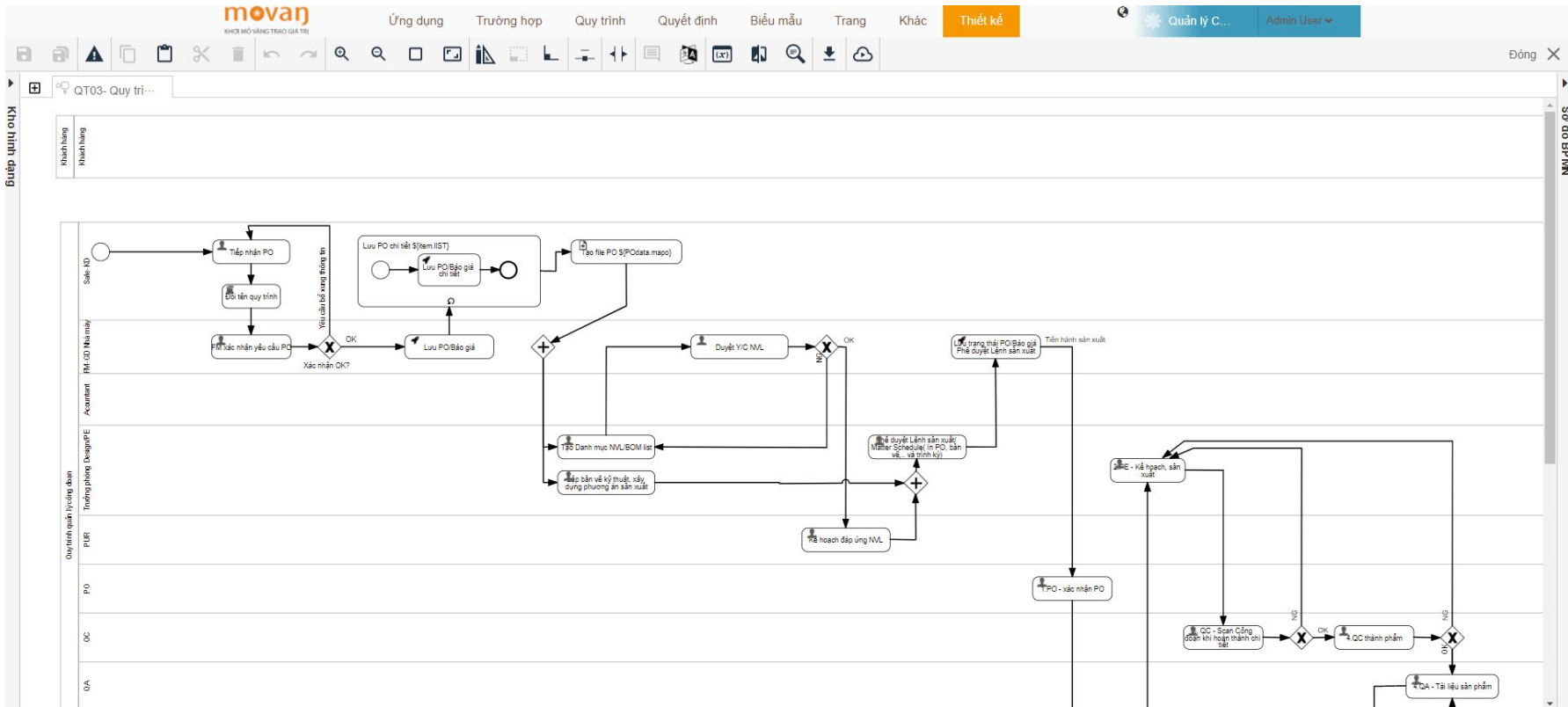Digitizing the production process, outsourcing orders process

Factory digitization example

Digitizing the production process, outsourcing orders process

Factory digitization example

Digitizing the production process, outsourcing orders process

Complete digital transformation with Movan ISO

❖ **Easy to deploy**
➢ Drag & Drop Process/Form right on the software, no need to wait for programming, seamless information.
➢ 15 minutes of training so employees can understand the 3-column menu/list/detail interface, immediately apply it and use it easily on both Computers and Phones
➢ Capture entire workflows, forms, processes on one screen

❖ **High-end infrastructure**
➢ Protect data integrity in accordance with Information Security legislation.
➢ Using Google Cloud infrastructure, Uptime 99.5%.
➢ Daily data backup.

❖ **24/7 Support**
➢ Professional customer care team.
➢ Ensure smooth business operation and product stability.
➢ 24/7 ticket support

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THANK YOU

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