



BUT 70% of digital transformation initiatives are not reaching their goals

Harvard Business Review



The pressure to deliver compelling software solutions continues to accelerate.

76% of CIOs report increased demand for new digital products and services.

BUSINESS DEMAND

SUPPLY

Traditional software delivery methods aren't keeping up.

Almost a third of software projects are delayed by more than six months.



Realities of Manufacturing IT landscape

Challenges



Business Units and plants with heavily customized systems are bought and sold all the time making the IT landscape in the same organization even more heterogenous

→ High costs of traditional software & integration projects



Plants have many single site solutions or systems that are difficult to integrate with

→ Fragmented tools, data and pockets of development



Smaller processes are often not even attempted to be covered by an IT solution because the path to getting one is so far or even unclear

→ Manufacturers still have many processes that run on Excel or Paper, which are poorly tracked and open to mistakes

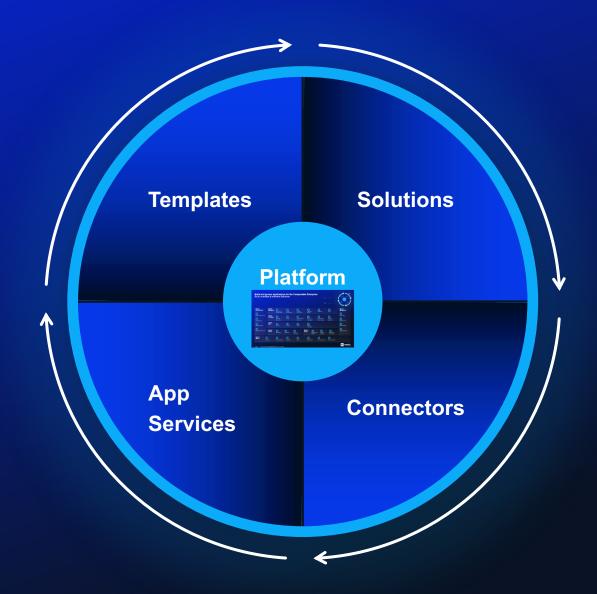




Mendix building blocks













Ready to use solutions

Products built on Mendix by Siemens Software development



Optimize My Plant

Cloud based factory simulation tool that continuously optimizes the material flow based on shopfloor input



Asset Health & Service Hub

IoT enabled application to monitor the status of machine tickets and trigger remote corrections



Opcenter Execution Foundation

MES product offering with Mendix embedded as the UI personalization layer delivering superior adaptability of the bedrock of your production





NX Reporting & Analytics

Web-based app to allow non-CAD designers to review key product information for more crossteam transparency, better risk management and design decisions



ProductionLink

Connector Application in the recipe transformation process connecting recipe, BOP, materials and

the execution level in multiple sites



OEE Hub

Mindsphere IoT infused offering to stay on top of your production efficiency and make sure



PCB Flow

Serverless cloud solution that lowers moral hazard in the transactions between PCB designers and external PCB manufacturers





Opcenter Equipment Logbook Pharma

Opcenter Execution Pharma Extension that replaces physical paper-based logbooks at the machines. Reducing search times, manual issues and help facilitate GMP and standardization.



Simcenter Webapp Server

Web-based Simulation extension to allow Project Engineers or Sales to validate assumptions or adjust models independently



Xcelerator: Hour of Engineering

Portal to support teachers in their classrooms to nurture interest for engineering & science among students



Many more on the way...

Mendix is a strategic Option for Siemens to build flexible products and micro services in the future. Many more items are on the roadmap



Templates

App Services Solutions

Connectors

Platform

Domain specific building blocks

Enabled through packaged capabilities (Mendix App Services)





3D Visualization provides a viewing capability of JT models



Translation

Translate the text between different languages



Language Detection

Identify the dominant language in a paragraph



Text to Speech

Convert the text input into voice output



Speech to Text

Convert voice input into text



Microsoft Teams Connector

Send and receive messages from app and specific MS Teams channel



Email Service

Include an email component into the Mendix Applications





Field Service Planning

The Field Service Planner uses AI to automatically create the most efficient planning. The planner assigns "tasks" to "resources" taking a wide range of constraints into account



MindSphere IoT for Makers

Connect Industrial equipment and consume the IoT data in Mendix applications



Intelligent Document

Extract a specific text from structured and semi-structured documents via multiple cutting-edge technologies



Invoice Processing

Automates invoice processing almost immediately without any document training



General Purpose OCR

Extract the entire text from the images or pdf documents



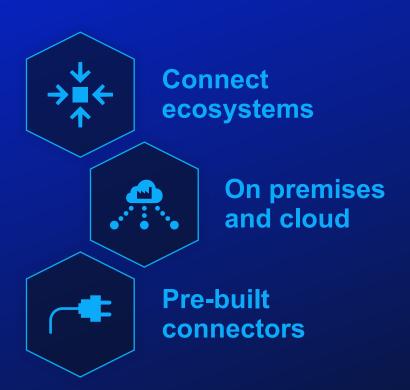
Receipt Processing

Extract main and important fields, without need for any additional training



Industry grade connectivity: Xcelerator Data Hub Unlock and integrate all relevant data consistently





ANY SYSTEM. ANY DATA. ANY ASSET.



And many more...



Industry tailored starter templatesJump start your transformation







Inclination Test Preparation



Marine Issue Mgmt.



Paperless SOP



UDI Submission Mgmt.







Collab.
Portal



Product Release



PLM ERP and LAB Connect



Quality Inspection



Premarket



Product View 360



Med Dev Sterilization



Supply Risk Mgmt.



UDI Complaints



Smart Warehouse



Workforce Mgmt.



Plan for every part



Stencil Mgmt.



Workplace Manager



Field Services



Complex Material Mgmt.



SAP Work Order Execution



SAP Quality Mgmt.





Mendix low code application development for Manufacturing Industries The fastest and easiest way to build, integrate and extend applications



Low-code development

Build applications 10x faster with 70% less resources



Run Everywhere

Shopfloor, Edge, Central IT or in the Cloud



Integration capability

Unlock and integrate real-time data from ERP, PLM, IoT, MQ, OPC-UA connect IT to OT.



Multi- experience

Applications for all forms of interaction Web, Native Mobile / Tablet, Handheld / Vehicle Mounted Devices, Conversational Uls, Augmented Reality (AR)



With Mendix cloud native low code and multi-experience platform Across your manufacturing value streams

Assemble Personalized Digital Experiences

Simplify Business
Processes

Modernize Systems Keeping Core Clean

















mercury













Medtronic







"Mendix is a true digital transformation accelerator. Our IT is no longer perceived as a cost center, but as a value creator."

(Johnson 4 Johnson

Praderm Chotisuparach, Sr Executive Consultant, CHAROEN POKPHAND FOODS, THAILAND

"50 percent reduction in effort previously spent using multiple systems. Realized in 11-week project, a previously unthinkable time frame"

Tom Grigas, Industrial IT Director of Product Design Systems, CNH INDUSTRIAL

"Tremendous improvement in terms of time efficiency and also to the quality of data and analysis."

Hiroyuki Nishimoto, Managing Director, KANEKA, MALAYSIA



Democratize application development Reimagine and GO MAKE IT

Easy, Open & Integrated



