



# MEGA'S HOPEX SOLUTIONS FOR ENTERPRISE ARCHITECTURE



MEGA, LEADER IN THE  
GARTNER EA MAGIC QUADRANT  
FOR 10 YEARS IN A ROW!



## HOPEX ENTERPRISE ARCHITECTURE SOLUTIONS

Focus IT Resources to Support Business Innovation

MEGA HOPEX solutions, lauded by industry analysts, use a proven methodology based on standards, enterprise architecture frameworks, and best practices. They leverage our extensive experience helping customers carry out successful enterprise architecture programs

### Drive business transformation

- ✓ Capture company strategy and assess future direction through drivers of change
- ✓ Help transform the business, plan business capabilities, and anticipate needs and resource requirements
- ✓ Improve end-to-end customer experience by connecting customer journeys and business processes
- ✓ Speed up time to market, and help the company operate more effectively in the face of increasing globalization and digitalization

### Strategically plan IT in line with business goals

- ✓ Identify and assess IT Transformation initiatives based on business needs
- ✓ Architect IT and information, and assess what-if scenarios to improve decision-making
- ✓ Improve connectivity between the business and projects by capturing, analyzing and managing data
- ✓ Slide the line on the 80/20 IT budget allocation, increasing innovation budget without increasing IT spendings

# Tackle digital transformation challenges through an integrated and business driven **Enterprise Architecture** practice

With digital transformation, IT departments needs to proactively support business innovation by ensuring IT systems properly align to business objectives. IT should no longer be regarded as a cost center catching up with business needs, but it should now help identify new opportunities with the business.

That's why our solutions for Enterprise Architecture (EA) encompass all layers of Enterprise Architecture from business strategy to infrastructure through application architecture.

**At MEGA, we believe that the increasing pace of technology change puts Enterprise Architecture as a key enabler of a company's digital transformation.**

Our EA solutions are designed to provide powerful tools for three main objectives:

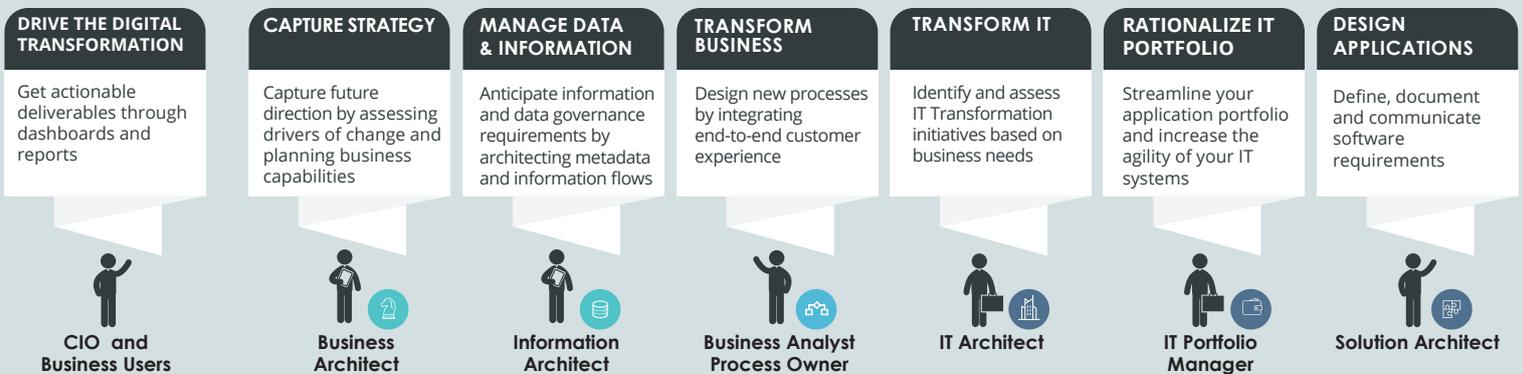
**Get visibility into your organization:** We provide leaders with the tools to obtain a comprehensive view of their organization, and help them design and implement agile IT systems, streamlined business processes, and optimized operating frameworks aligned with their business strategies.

**Bring greater value to the business:** We help align business and IT views of an organization so IT leaders can respond more quickly and deliver greater value to the business. Our solutions help companies capture the business strategy and plan the required business capabilities. They also improve how the business operates by incorporating end-to-end customer experience to business processes. They provide the tools to describe, streamline and transform IT systems, as well as model the three layers of data from conceptual to physical layers.

**Drive strategic planning:** We help IT leaders identify IT transformation projects based on business needs, the assessment of the IT landscape, or through ideation campaigns. With our solutions, IT leaders can evaluate the impact of IT candidate projects on their IT systems, so they can prioritize and plan them accordingly.

With our EA solutions, IT leaders and business stakeholders can ensure that IT governance is a proactive component of the overall enterprise governance. Our solutions use a single repository and advanced collaborative features enabling cross-functional teamwork across the various stakeholders of an organization.

## STAKEHOLDERS



## HOPEX DIGITAL TRANSFORMATION SOLUTION



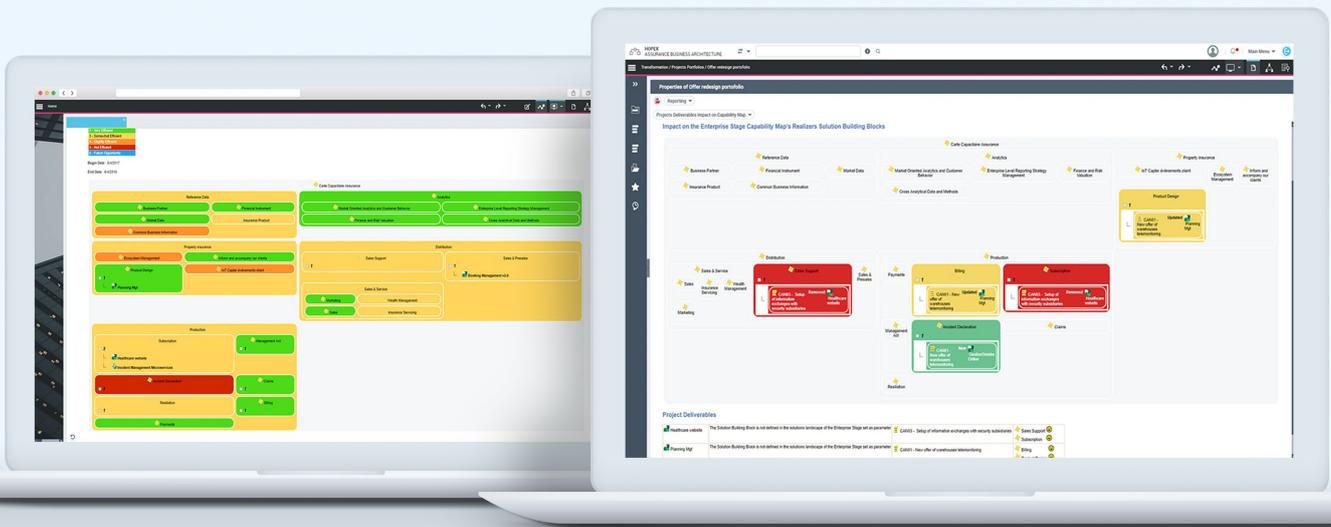
# HOPEX Business Architecture

Design and manage business transformation roadmaps based on clear strategic objectives

**HOPEX Business Architecture enables you to define a capability-based planning of the enterprise transformation that integrates corporate strategy, while adapting to your changing environment.**

The solution helps you set your vision and objectives by identifying and assessing the drivers of change that impact your strategic roadmap. It enables you to break down your objectives into multiple transformation stages, and incorporate business capabilities and related KPIs into each transformation stage. It helps assess current and new capabilities based on the defined strategy, and build enterprise transformation roadmaps to align them with the corporate strategy.

With HOPEX Business Architecture, you can transform business capabilities through the definition of one or multiple business projects. Within projects, you can determine business problem and opportunity, define business cases, and prioritize projects based on costs, benefits, risks, and other criteria. You can also reprioritize projects, change deliverables and timeframes due to unplanned changes, and review the business strategy. The solution also lets users provide new ideas on any topic to improve business performance.



## Benefits

- ✔ Bring transparency by capturing the company strategy and setting clear transformation objectives
- ✔ Define and prioritize projects to implement the business strategy
- ✔ Help decision makers design strategic plans that maintain alignment with ever changing markets
- ✔ Organize ideation campaigns in your organization to improve business performance
- ✔ Facilitate strategic trade-offs thanks to quantified goals and expected capabilities

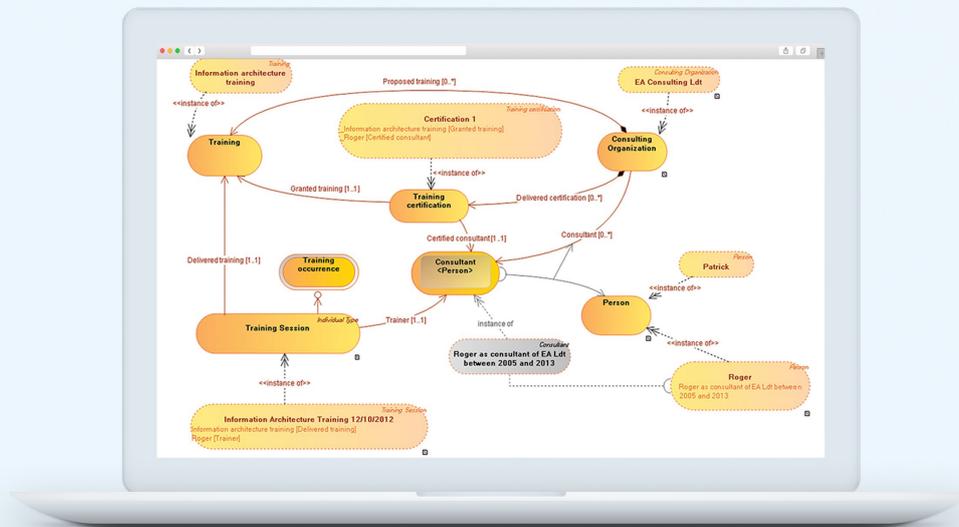
# HOPEX Information Architecture

Manage information and knowledge as an enterprise asset

**HOPEX Information Architecture enables you to model all layers of data, from the conceptual data model to the creation of the physical database through logical data modeling.**

By using a common vocabulary for data modeling, various stakeholders can share the same level of information and can make collaborative, well-informed decisions about information architecture. The solution includes semantic models to build consistent representations of the organization in terms of business entities, their relationships, and their lifecycles.

It allows you to build data dictionaries, and design data independently of the physical data implementation. You can also define the logical data model structure through the use of class and class view components. You can represent physical data models using relational diagrams, and generate SQL codes or reverse-engineer various database formats through intuitive tools.



## Benefits

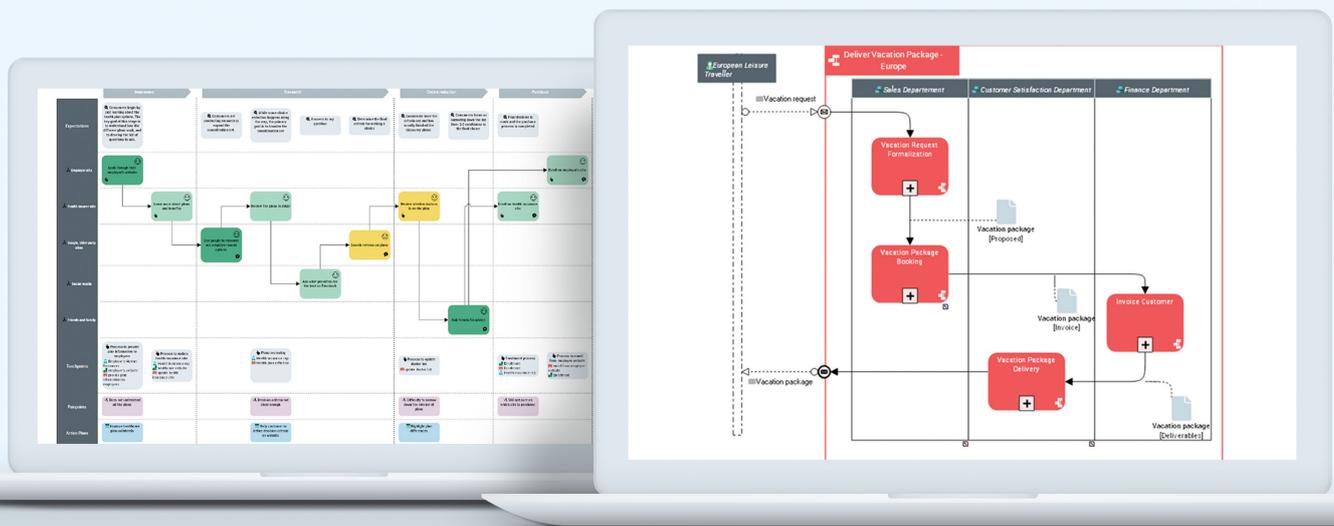
- ✓ Architect information so that it is consistent and reliable throughout process execution
- ✓ Understand and communicate the enterprise information model in various business contexts to align actions with goals
- ✓ Measure, analyze, and reduce deviation between your data dictionary and the actual use of information at an execution level
- ✓ Ensure continuity between information and data using a central repository

# HOPEX Business Process Analysis

Improve customer experience, take control of business transformation, and manage risk by capturing, assessing, and transforming your business processes

**HOPEX Business Process Analysis provides insight into and creates traceability between your business activities. Organizations can ensure alignment with strategic transformation decisions by reshaping and validating their operational processes.**

The solution allows you to describe business processes, design customer journeys, and build action plans to improve the customer experience. It can also be used to conduct as-is/to-be analysis, create and monitor key performance indicators tied to processes, map process models to their associated risks and controls, and create reports to share information across the organization. It includes features to automate the creation of diagrams, and users can collaborate in real-time to help them streamline diagram changes, approvals, and assessments.



## Benefits

- ✓ Understand where you are now, where you want to go, and how you're going to get there
- ✓ Provide enhanced decision support using robust reporting and analysis features
- ✓ Improve customer experience and reduce time-to-market
- ✓ Transform business while factoring in a risk perspective

# HOPEX IT Architecture

The Ultimate IT Architecture Solution to Transform Modern IT Systems

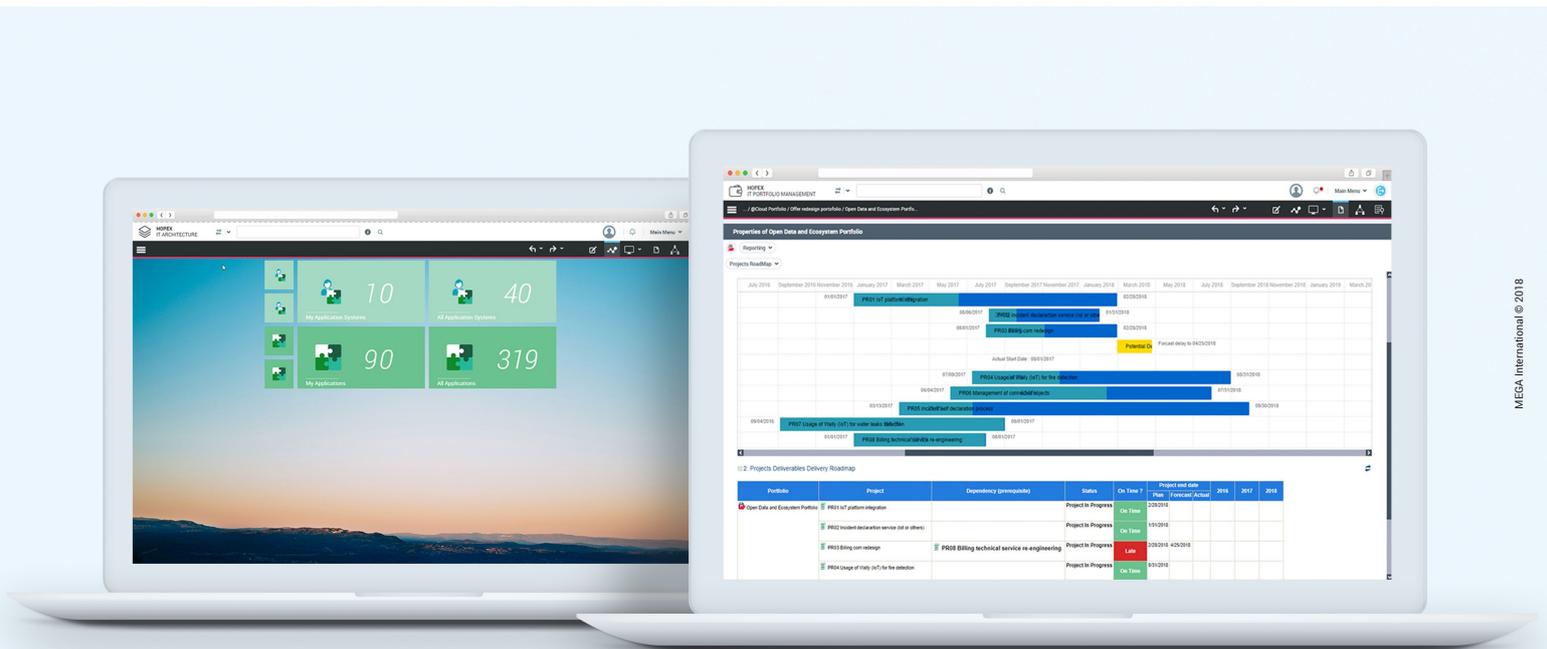
**HOPEX IT Architecture helps support business innovation in the digital age by ensuring that business & IT roadmaps are aligned together.** It provides the tools to design the current and future application architecture as well as infrastructure requirements through a service-oriented architecture.

To transform the IT landscape, the solution enables you to design your IT systems in three steps:

**IT Strategy:** HOPEX IT Architecture ensures the alignment with business strategy. You can understand application functional coverage based on business capabilities, business functions or logical applications, and build IT projects to transform the IT assets that support your business objectives.

**Application Architecture** helps you describe the application landscape. At an enterprise level, you can use environment diagrams to represent the main exchanges between applications. At an application level, you can describe applications with scenario diagrams to depict several use cases. You can also design structure diagrams to rationalize how application exchanges are modelled. At a technical level, technical architecture diagrams are available to describe multiple application deployments.

**Technical Architecture** helps you understand the technical infrastructure requirements when deploying new applications. With this feature, you can design infrastructure diagrams that include items such as IOT devices, servers, software, networks, and facilities.



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## Benefits

- ✓ Quickly respond to continuous changing market conditions by using a service architecture
- ✓ Drive business change by turning strategic plans into IT projects
- ✓ Cut IT costs by putting your IT systems under control
- ✓ Gain agility thanks to a clear view of your IT systems and how they work together

# HOPEX IT Portfolio Management

Rationalize IT investments and align them with business priorities

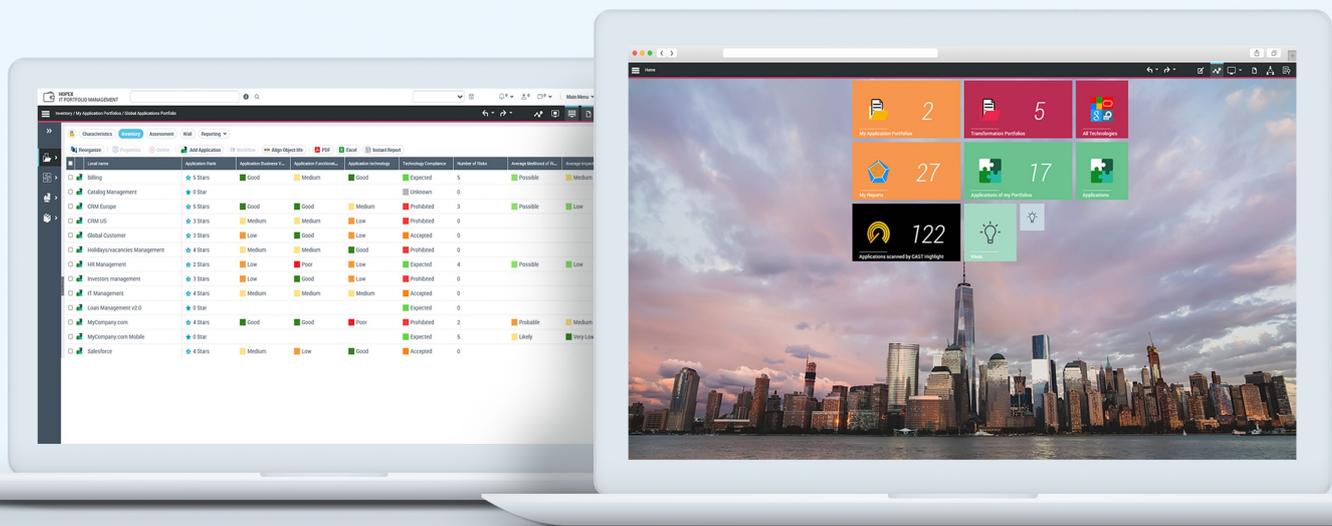
**HOPEX IT Portfolio Management helps you to reduce complexity and improve the visibility of your IT assets, cut costs, and transform the IT portfolio, while anticipating business and technology risks.**

The solution enables you to inventory your IT assets, and develop transformation plans based on a comprehensive assessment of your IT assets, then transform them by comparing multiple what-if scenarios.

You first start by creating a complete inventory of your IT assets, including applications, underlying technologies, and servers.

You can evaluate IT assets using multi-criteria analysis such as costs, risks, technical efficiency and business value, and bring visibility to your IT portfolio through the use of out-of-the-box or custom reports.

You can then create multiple transformation projects and scenarios, compare them based on various criteria, and select the most relevant scenario for your business needs and constraints. Additionally, to improve the IT Portfolio performance, you can also collect ideas from various stakeholders through ideation campaigns.



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## Benefits

- ✓ Reduce complexity and bring visibility to your IT assets
- ✓ Transform the IT portfolio while anticipating business and technology risks
- ✓ Cut costs and save on future investments
- ✓ Support new business initiatives

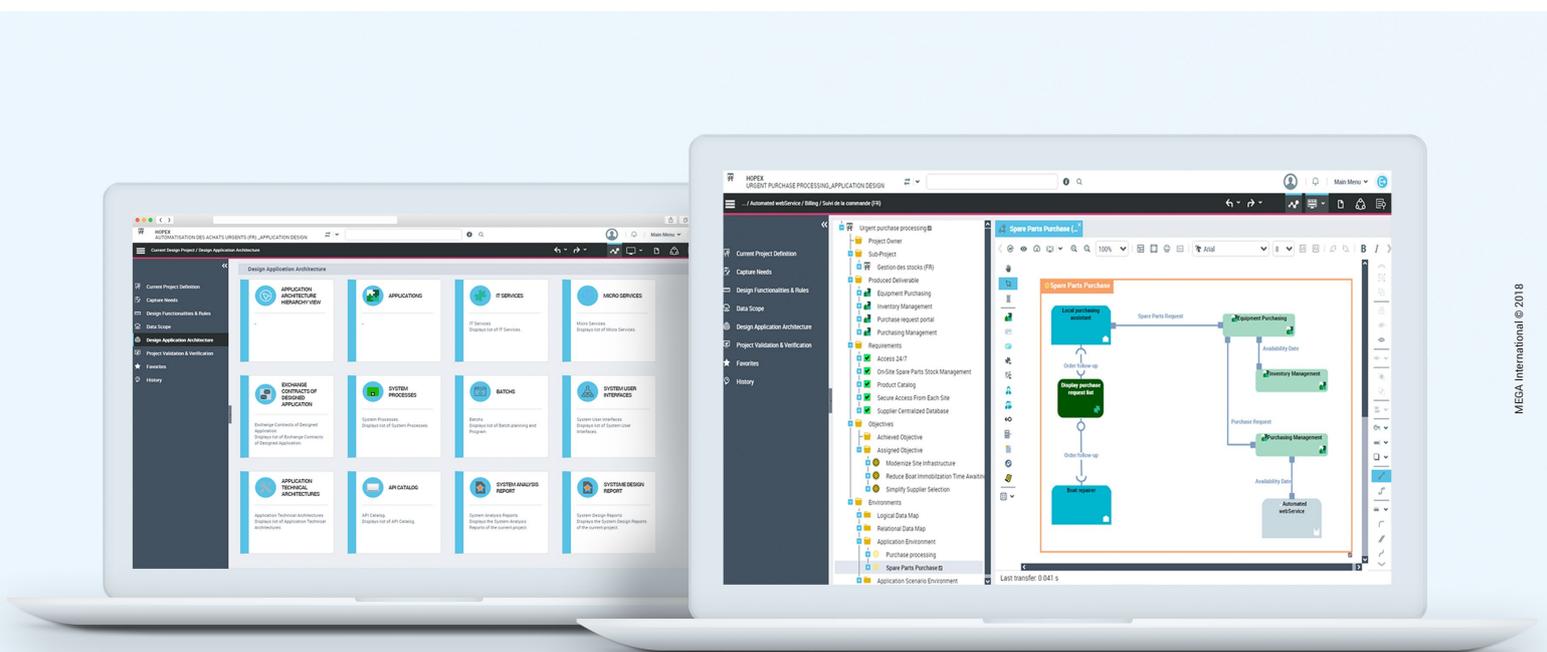
# HOPEX Application Design

Design software requirements using a 360 view of your organization

**HOPEX Application Design provides solution architects with a consistent approach to defining, documenting and communicating software requirements.**

Architects can define requirements through a Service-Oriented Architecture. Based on functional analysis and system design, the solution helps produce and communicate deliverables including user stories, UI requirements, and system processes across development teams. It also helps describe application components and data flows through application diagrams and exchange contracts (application interface). It supports the UML standard including all static and behavioral UML diagrams.

HOPEX Application Design easily integrates into agile processes and helps feed the product backlog. It enables agile development teams to review and approve projects, while taking a step-back before developments happen.



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## Benefits

- ✓ Deliver robust and consistent requirements to software development teams
- ✓ Reduce the number of sprints and improve quality of developments
- ✓ Seamlessly integrate into both traditional and Agile development methods
- ✓ Ensure requirements meet both business and IT needs

## Frameworks & Industry Standards

Our solutions support the standards and frameworks of renowned international standard bodies and professional associations such as BPMN, UML, TOGAF, ArchiMate®, and defense and security systems like NAF and DoDAF.

We are actively engaged in the modernization of these modeling standards, both on the side of industrial consortiums as well as at the level of standard bodies. We play a proactive role in this international organizations, especially within the OMG (Object Management Group) and The Open Group.

**TOGAF**, developed by The Open Group, provides a common vocabulary and methodology for all architects and key stakeholders. Our solution **HOPEX Enterprise Architecture for TOGAF** supports the TOGAF Architecture Development Method (ADM) and complies with the TOGAF Architecture Content Framework (ACF).

**ArchiMate®** is an open and independent enterprise architecture modeling language from The Open Group. **HOPEX for the ArchiMate® Framework** gives enterprise architects a full web implementation of The Open Group's framework, while remaining compatible with other HOPEX products and standards.

**BPMN**, the standard Business Process Model and Notation is a graphical representation for specifying business processes. It provides businesses with the capability of understanding and communicating their internal business procedures in a standard manner. **HOPEX Business Process Analysis** provides a full compatibility with the BPMN notation.

**UML**, the Unified Modeling Language is a general-purpose, developmental, modeling language in the field of software engineering, that is intended to provide a standard way to visualize the design of a system. **HOPEX Application Design** supports UML 2.3 including all static and behavioral UML diagrams.

**DoDAF**, The Department of Defense Architecture Framework (DoDAF) is an architecture framework for the United States Department of Defense (DoD). **HOPEX DoDAF** provides a repository-based tool for describing and documenting all DoDAF views addressing the complementary aspects of enterprise architecture (overall, operational, system, and technical views).

**NAF**, the NATO Architecture Framework is an Enterprise Architecture framework by the NATO. **HOPEX NAF** implements all NAF views including capability views, operational views, service-oriented views, system views, technical views, and program views. The underlying platform is based on a powerful collaborative working environment.



# HOPEX Digital Transformation Platform

Design software requirements using a 360 view of your organization

**HOPEX is our comprehensive lineup of integrated software solutions** bringing together industry-leading practices in enterprise architecture (EA), IT portfolio management (ITPM), business process analysis (BPA), and governance, risk, and compliance (GRC) into a single platform.

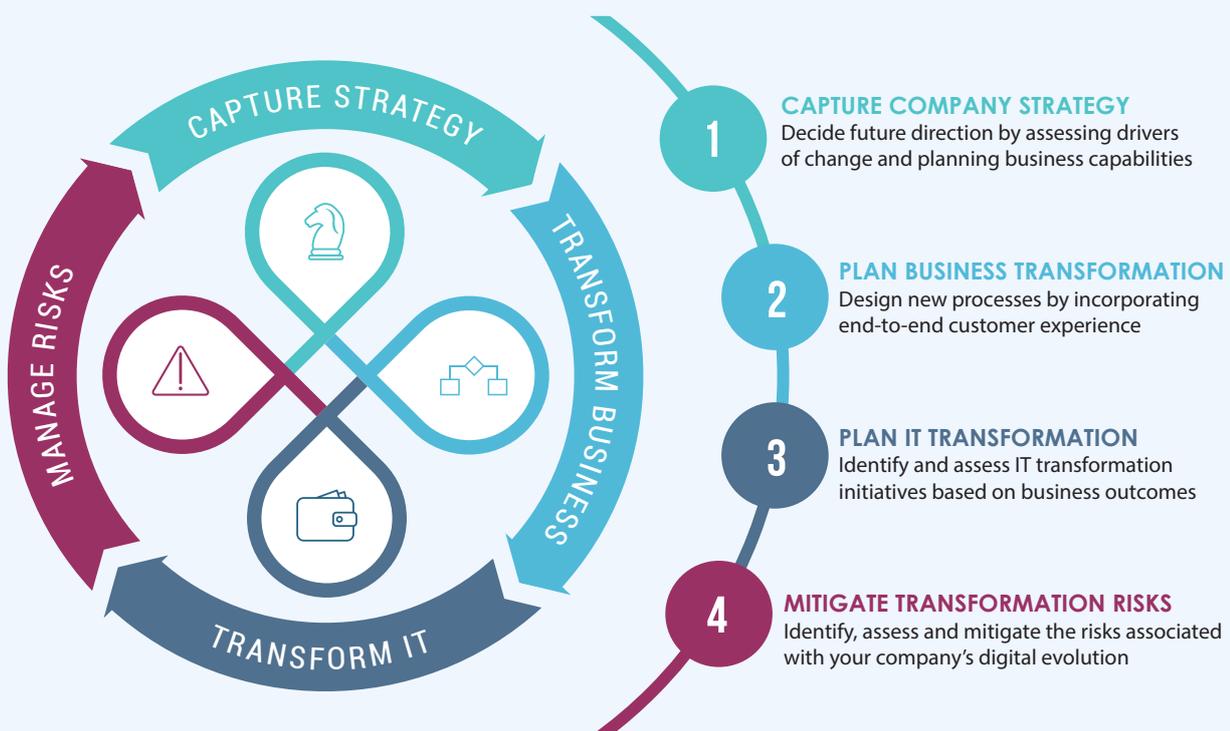
These fully integrated solutions give you an interactive view of all your business and IT components – including their dependencies – and help you drive business and IT transformation. With HOPEX, you get the visibility and tools you need to improve decision-making and navigate change in a disruptive environment – with a sharp focus on your business needs.

With our solutions, you can break down information silos, better exploit synergies, and pool efforts among your staff and departments through a clear, common vision of all key elements of your organization and the role of each stakeholder.

All stakeholders get a unified, graphical user interface that provides the tools and information they need to be effective, while working towards shared goals and supporting your organization's strategy and objectives. HOPEX is built from the ground up to provide flexible, scalable, and fully-integrated solutions that you can install on the cloud according to your company's needs.

HOPEX Cloud provides a secure environment in the cloud with maximum uptime. It uses a single integrated cloud platform for all MEGA applications, while providing the flexibility and customization to meet specific customer needs.

## HOPEX Digital Transformation Platform



## About MEGA

MEGA International is a global software firm helping companies manage enterprise complexity by giving them an interactive view of their operations.

Executives gain the visibility and information they need to make the right choices for effective governance and for striking the right balance between capacity for innovation, cost optimization, and risk management. Backed by HOPEX software and MEGA services, companies can boost business and IT agility in today's disruptive business environment.

