

ROADMAP FOR THE DIGITAL TRANSFORMATION

Requirements analysis
and measures

Roadmap for the Digital Transformation

The more dynamic the changes undergone by companies and their environment are, the more farsighted the IT responses must be to these transformations. It is no use attempting to re-create everything from scratch, and instead what is needed is to identify practical possibilities for transforming IT to meet the new challenges. The IT roadmap addresses precisely this challenge and supports you in determining the required actions for systems. To do so, the requirements from your divisions, strategic goals and existing IT landscape are assessed. Based on this, needs for improvement can be identified and solution concepts can be derived.

System Analysis

The existing IT systems are a product of evolved requirements and technical advancements. Thus, complexity often increases exponentially due to system boundaries, interfaces and operation, making it necessary to simplify and streamline. The objective is clearly to focus on standardization, consistency, sustaina-

bility, usability and information quality. Among other things, a structured analysis provides a detailed view of the system diversity, the distribution of competencies, the difficulties in operation and provision as well as the service quality and dependencies of manufacturers and service providers.

	Month 4	Month 8	Month 12ff
Phases	Securing the foundation and capitalizing on quick wins	Selecting a sustainable landscape and gradually integrating it	Ensuring a continual improvement and innovation process
IT infrastructures	Capturing, modularizing, evaluating and decluttering the application map	Selecting a platform and process portfolio and defining a roadmap	Continual digitization monitoring and evaluation
Digital processes	Capturing, evaluating, simplifying and standardizing processes	Prioritizing and technical/organizational design	Continuously evaluating and designing the knowledge content and degree of automation of the processes
Organizational framework	Evaluating the organizational maturity and increasing the ability to change	Meeting institutional requirements for agile change (procurement, process and IT management)	Establishing a marketplace of digitization

Example: Development plan for digitization

The Measures

Overarching recommendations for the IT organization and architecture are derived from the many individual results. Specifically for individual topics, task areas are prioritized and assigned measures on the basis of the identified potentials.

These include necessary individual tasks, their timing and duration as well as the expected costs, so that a structured project plan is provided for further decision-making. Recommendations for the future IT strategy are derived from the results. The basic principles for the IT architecture are standardization

and consolidation to reduce system diversity and increase system consistency. Furthermore, the requirements from the different divisions are ranked according to defined evaluation factors such as cost-effectiveness (process efficiency). The concluding evaluation of the type, scope, costs and project duration of the individual measures enables tasks to be categorized into jobs that are to be implemented immediately (quick wins) and project tasks that are structured on a timeline.

Recommendations

An overall assessment is performed based on the identified requirements with the described perspectives. Experiences and requirements are divided into groups (domains) so that distinct action areas can be identified and evaluated. The requirements from the process perspective are grouped to-

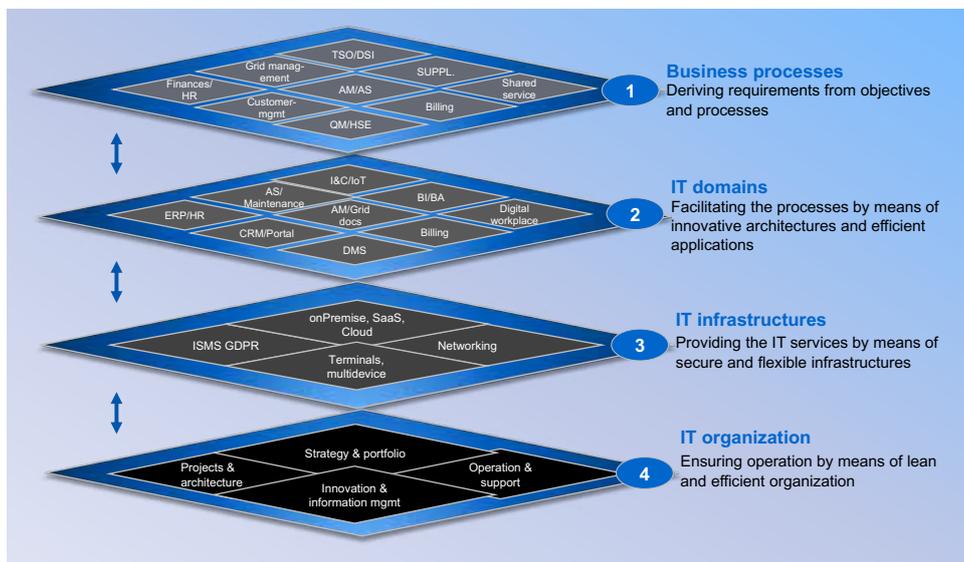
gether in thematic blocks. The resulting requirements profile is blended with the available systems and the assessment from the system perspective to provide an overall picture of requirements and system fulfillment. In addition, the results are structured and prepared for the service processes.



Business Processes

Efficient workflows are a basic prerequisite for the economic success of a company. If these are not in harmony with the IT support, there will be a proliferation of interim solutions and parallel, non-transparent customized solutions and coordination channels. By ascertaining the requirements for IT system

support, organizational IT support and identifiable potentials in line with this, the required actions including the associated benefit can be clearly determined. Process orientation also makes it possible to identify focal points for action and use them to prioritize tasks.



Analysis and design levels of digitization

IT Organization

The role of IT organizations is rapidly changing from providing and adapting stable solutions in line with legal requirements to providing consulting services and becoming an innovator within the company, especially with the increase in digitization requirements. The fact that these tasks are performed inadequately is often a result of the initial assessments. There are a

variety of reasons for this, often ranging from inadequate staffing, to a lack of integration in the divisions, through to a misperception of the necessary roles. The effectiveness of IT is derived not only from the systems used, but also from the service processes implemented. As a result, clear assertions can be made about this.

A greatly improved information base and high-performance IT architectures enable the potentials resulting from digitization to be exploited. New business models, greater cost-effectiveness and improved staff satisfaction are only some of the benefits that can be achieved. But where is the starting point, what has to be done and in what order? These questions are answered in the IT roadmap.

FICHTNER

IT CONSULTING

Fichtner IT Consulting is the IT competence center of the Fichtner Group, which has been an owner-managed company since its foundation in 1922 and has some 1,500 employees in over 60 countries. We design and implement information logistics for technical networks, plants and infrastructure. We combine our knowledge of the industry and process know-how with the latest technological expertise to deliver innovative and cost-effective solutions for your success. The gleaning, structuring, linking, preparation and presentation of information – including the spatial context – are the key to efficient and effective solutions.

Fichtner IT Consulting GmbH
Sarweystraße 3
70191 Stuttgart
Deutschland

Telefon: +49 (0)711 8995-10
Telefax: +49 (0)711 8995-1450
info@fit.fichtner.de
www.fit.fichtner.de

