



KONICA MINOLTA



RETHINK IT COST OPTIMISATION

ENHANCE YOUR OPERATING LANDSCAPE



DEFINING THE CONTINUOUS CYCLE OF IT COST OPTIMISATION

Energy and utilities companies are moving into a future with diversifying challenges and the need to become efficient, cost-effective IT focused organisations to enable digital transformation. It is very apparent that across the sector there is a rapid ambitious growth to change how organisations operate in a faster, smarter connected workplace. Even before the outbreak of the COVID-19 pandemic, the industry had been undergoing significant technological disruption forcing organisations to **transform the way they operate, serve customers and interact with partners across the supply chain with cost optimisation being a focal priority.**



Implementing new digital technologies was already a fundamental component of most energy, utilities and resources company strategies before the pandemic. Many have appointed a Chief Digital Transformation Officer or similar job title to bridge the gap between traditional information technology (IT) programs and innovative digital transformation solutions that support businesses to adapt to the new pace of change and embrace cutting-edge technologies.

Leadership across the industry must transform and CIOs must run efficient, modern and cost-effective IT clusters to enable delivery of initiatives and innovation that enable business model change, operating model transformation and asset optimisation. Advances in technology such as cloud computing, mobile apps, automation, big data, AI, and

the IoT are dramatically changing the ways that oil, gas, manufacturing and other energy, utilities and resources companies operate.

Advancements in technology solutions combined can bring new skill sets and cost efficiencies to the energy, utilities and resources (EU&R) sector overall and those who proactively approach this transition to becoming a more connected workplace will most definitely reap the benefits.

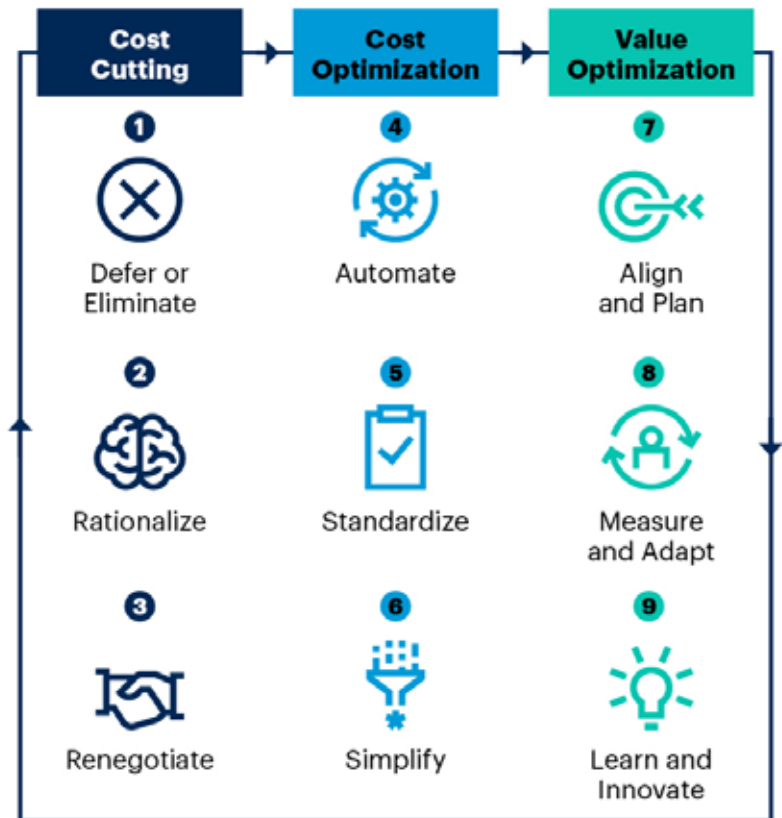
Digital transformation is happening in almost every industry rewriting operating landscapes across small, medium and large businesses and the EU&R industry can no longer remain behind. The potential benefits of going digital are obvious with **increased productivity, safer operations, and cost savings** being a priority for many organisations in

the industry. There is also a need to truly understand that current digital trends are not just about technology, but also involve bringing together people, processes and technology to see tangible benefits. Upskilling people, changing work culture and understanding where and which digital technologies can significantly boost the sustainability and efficiency of operations will need to be considered to create a successful digital roadmap. **Building a solution tailored to organisational needs is essential to gain competitive advantage, increase efficiency, boost productivity and to build a more connected supply chain with partners, suppliers and most importantly customers – combined resulting in reduce costs and increased profitability.**

COST OPTIMISATION IS TOP PRIORITY

NINE MILESTONES DEFINE THE CONTINUOUS CYCLES OF IT COST OPTIMISATION

Undoubtedly cost management is of the utmost priority and a key KPI for organisations in the industry. However, it is imperative to assess all the challenges to discover real-time solutions that will enable this objective to be met. Covid-19 has pushed business units to respond to the disruption in the market elevating the importance of digital transformation highlighting the financial return on such digital investments.





EXAMPLES OF WHERE TECHNOLOGY CAN SUPPORT IN THE EU&R INDUSTRY:



Enhancing subsurface evaluation –

Data analytics and cloud-based platforms can enhance the interpretation of seismic data, pre-drill resource estimates, reservoir models which support to increase the efficiency of reserves, resources and recovery production operations internally and with supply chain partners.



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Production operations and maintenance –

Efficiency and excellence can be achieved through implementation in process automation to drive integrated resource planning, manufacturing scheduling and execution and maintenance planning. Streamlining processes can optimise the value chain, control platforms, operation management and performance and supply chain.



Connected supply chain –

Cloud-based technologies, EPR and workflow management can integrate end-to-end processes across suppliers and customers to improve collaboration and enhance inventory management, supplier interactions, warehousing and logistics e.g. digital category management, smart replenishment and shipment transparency.



Health, safety, security and environment (HSSE) –

Smart safety is critical to business continuity and organisations are required to reduce exposure to hazardous operations/substances. Improving risk management, monitoring of emissions and sustainability targets can all be supported with data analytics technologies, internet of things, intelligent video solutions to enable smart metering, real-time alerts for unsafe conditions, early emergency identification of potential unsafe issues.





RETHINK YOUR TECHNOLOGY SOLAR SYSTEM

SOLUTIONS

To advance a digital transformation, companies need to adopt a holistic approach by embracing technologies and applications that have the potential to transform company-wide operations, from the back office to plants and production sites. These digital applications are able to integrate real-time data and advanced analytics for better decision-making, and underpin applications that can dramatically improve efficiency and sustainability.

The top five technologies or planned technologies identified include:

- **Manufacturing execution systems** (MES) that link individual pieces of equipment to the company's enterprise resource planning (E3P) system, facilitating coordination of operations.
- **Cloud computing** that allows the company to manage large volumes of data generated in operations and improves data quality, data availability and single-source transparency across complex value chains.
- **Energy analytics** that support optimisation of energy use and costs across company operations.
- **Connectivity and internet of things** in which machines carry sensors that support remote performance monitoring and efficient equipment integration.
- **Machine learning** to analyse data and identify operational patterns and shortcomings that can be used to improve efficiency, for example, in predictive maintenance.

KEY BENEFITS OF DIGITAL TRANSFORMATION AND CREATING A CONNECTED WORKPLACE

COLLABORATION, PRODUCTIVITY AND COST SAVINGS

1



INTELLIGENCE:

Utilise the power of data collected by the organisation to improve decision making.

2



COLLABORATION:

Digitalised workflows, cloud and collaboration tools lead to better working relationships from greater efficiency and communications.

3



SECURITY:

Business operations always remain compliant and active, and important company data is less vulnerable to external threats.

4



RESILIENCY:

Operations remain active, with less downtime and inconvenience that could lead to a drop in productivity.



5



FLEXIBILITY:

Operations scale to suit different requirements, meeting changing demands with agility and purpose.

6



MOBILITY:

Fluid workstyles allow employees to access data and continue working securely from anywhere at any time.

7



PRODUCTIVITY:

Output increases from being able to work wherever employees are based in a more fluid and efficient manner.

8



SUSTAINABILITY:

Increased efficiency, by reducing an organization's physical footprint and wastage.

9



EFFICIENCY:

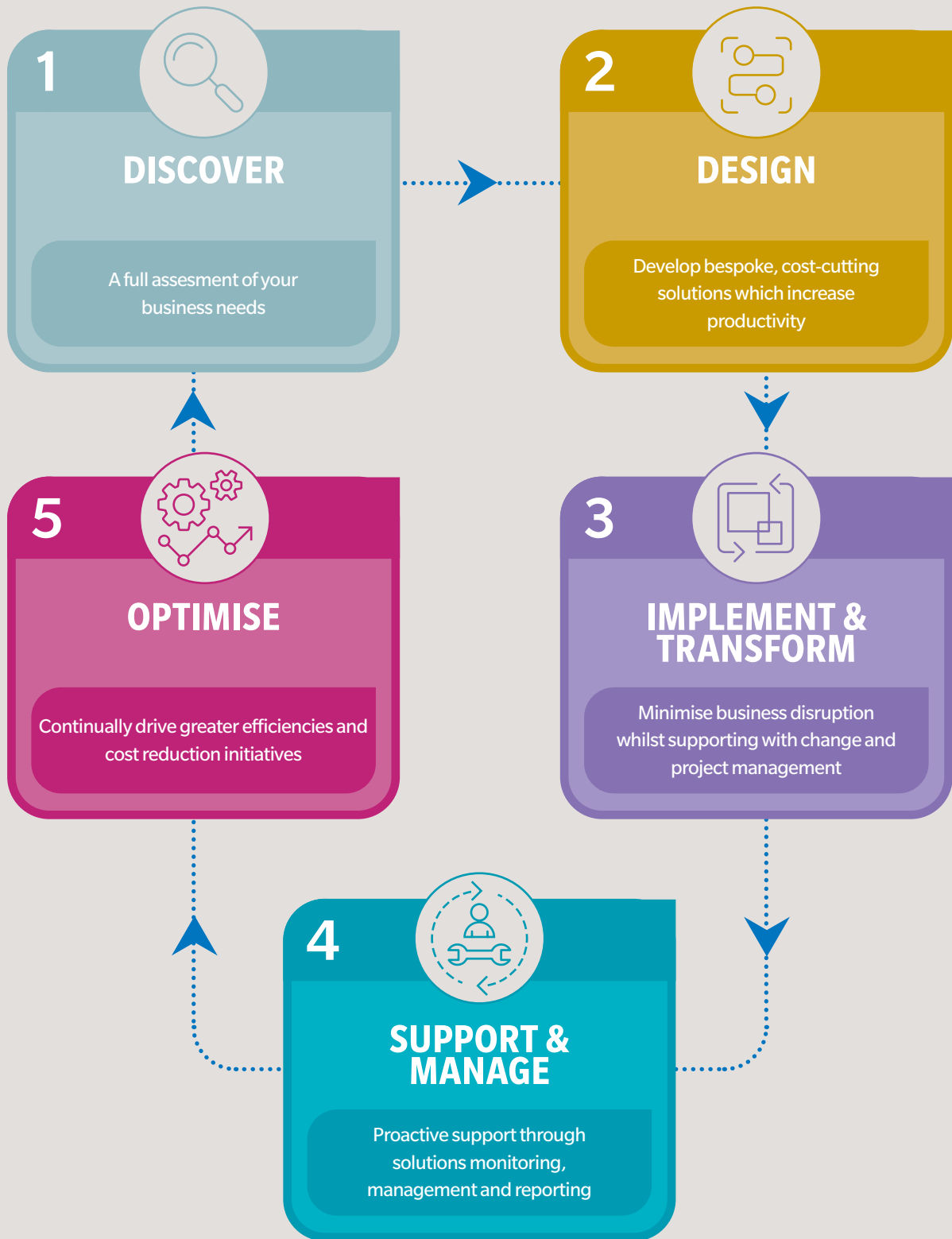
Leaner work processes improve profitability and eliminate the need for capital expenditures.

KONICA MINOLTA AS A DIGITAL TRANSFORMATION PARTNER

**WORKING WITH A TRUSTED PARTNER IS A
POWERFUL APPROACH TO TRANSFORMATION
AND CAN HELP YOU:**

- Honestly appraise your current digital standpoint, reviewing your systems, processes and people
- Use real insight to develop achievable business goals
- Create a digital transformation road-map for now and the future





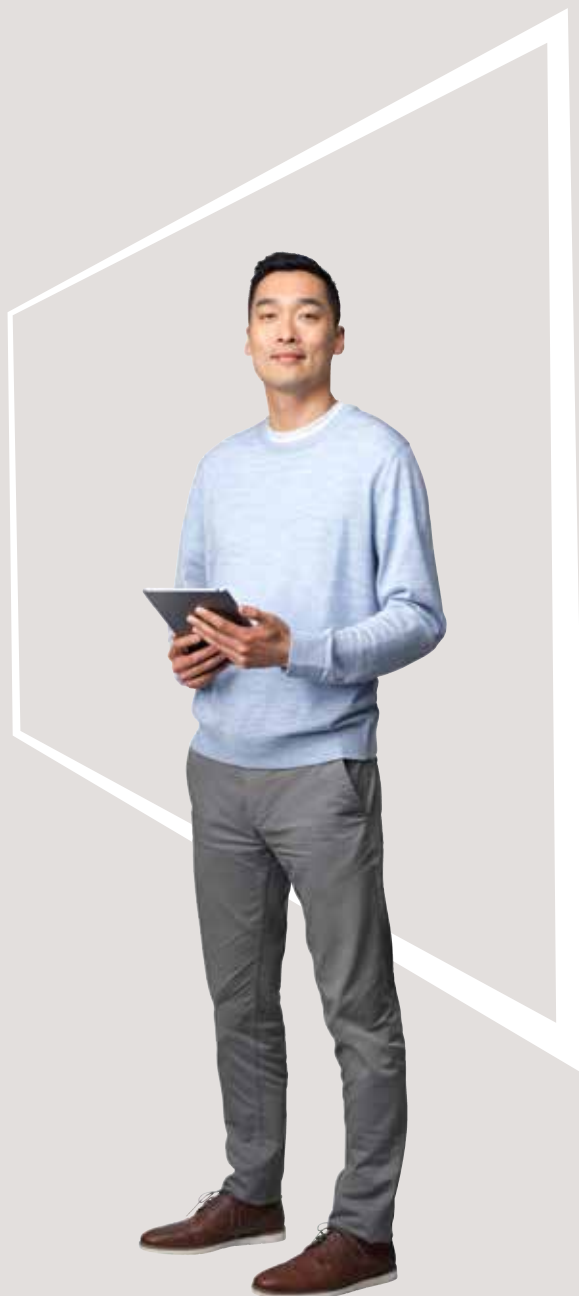
It takes a combination of technology, people and process to boost productivity and streamline processes in a workplace.

Konica Minolta work in partnership to optimise your business processes, and provide you with the right tools to drive real business value helping you with:

We will evaluate your business and develop a solution that is right for your business.



KONICA MINOLTA



LET'S TALK

Get in touch and talk to one of experts today email us at:

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Giving Shape to Ideas