## Sustainable Manufacturing

Camelot ITLab

### Smart Energy

April 2023





### **Smart Factory Benefits**

### REVENUE



### **OPERATIONS**



### WORKING CAPITAL



Increase in customer satisfaction Improved order fulfillment and ontime shipments.



#### Less defects, re-work and short runs

Six Sigma compliance.



### Reduction of raw material

inventory Accurate inventory visibility and exception-based management



Incremental revenue opportunities Real-time visibility to on-hand inventory.



Reduction of manufacturing cycle times Real-time visibility to orders and exceptions





Reduced exception handling costs Faster automated resolution of exceptions



Sustainable Manufacturing Clean manufacturing to conserve energy and natural resources



**Optimized finished goods** inventory

Realtime inventory visibility.



Less production cost variances

Real-time analytics to measure actual vs. budgeted production costs

### Digital Manufacturing Value Proposition

#### **IMPLEMENTATION SERVICES**

- SAP Digital Manufacturing suite implementation services for SAP DMC, SAP MII, SAP Pco
- Process and application consulting
- Solution Implementation

#### **INNOVATION SERVICES**

- Smart Factory use case portfolio which includes deciated industry specific use cased which can be realized for our joint customers
- Sustainable Manufacturing application extending SAP DMC and built on SAP BTP

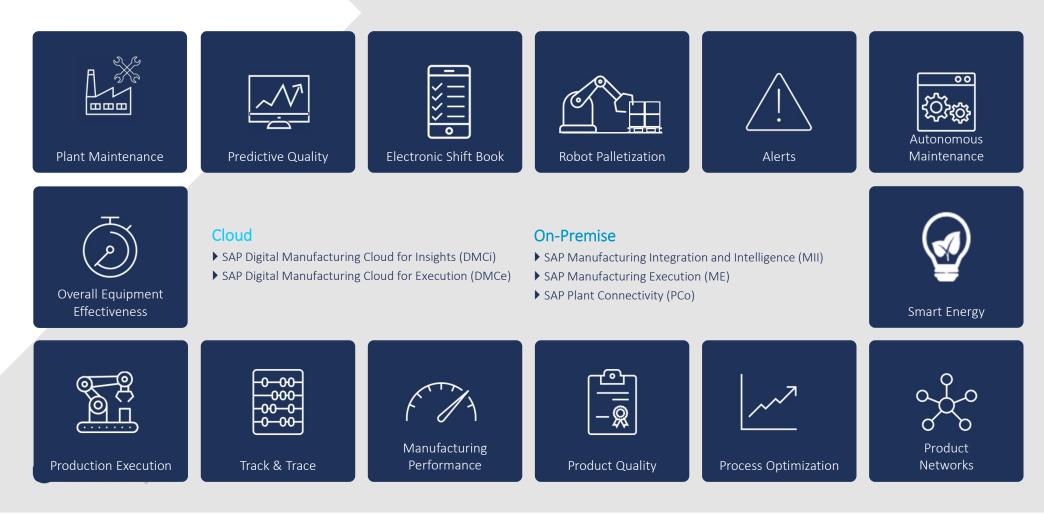
#### SCRC SERVICES

- ▶ Application Management Services
- Improvement of processes
- Knowledge transfer
- Train the trainer Workshop
- End-user training

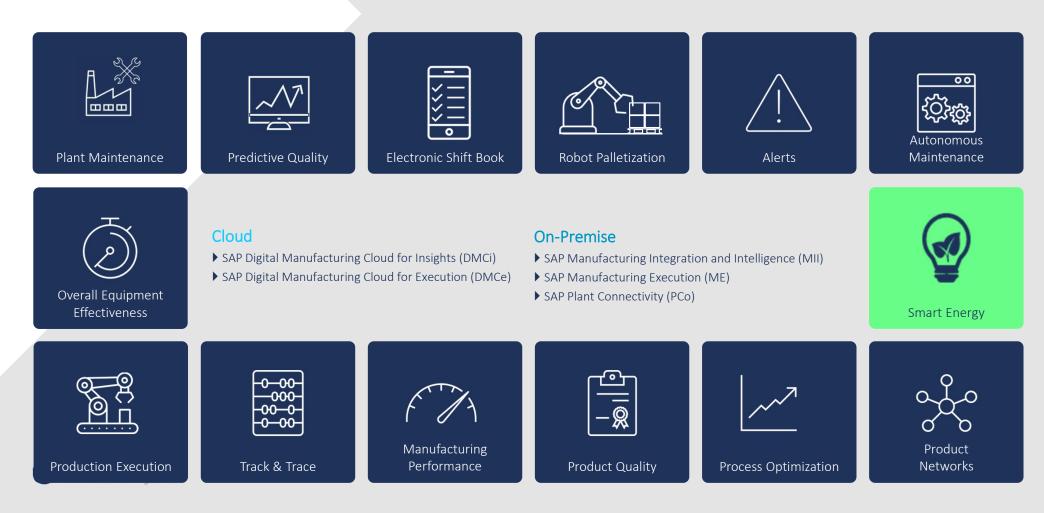




### Camelot Smart Factory Service Portfolio



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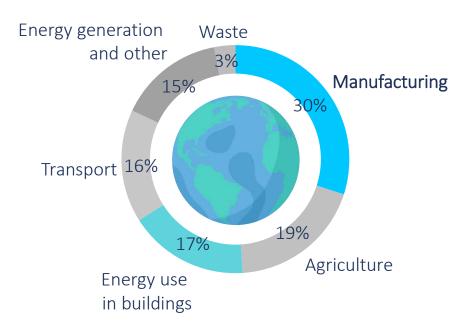


# SUSTAINABILITY IS NO A CHOICE - IT'S A RESPONSIBILITY

# Manufacturing is at the center of attention of global efforts for more sustainability

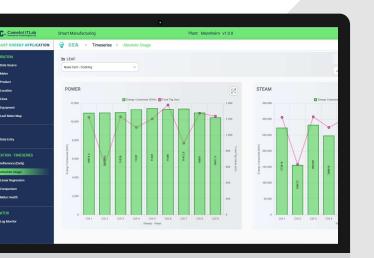
Manufacturing accounts for 30% of global CO2 emissions; it is the greatest lever to achieve sustainability

Total emissions: 50 bn to (2019)



Sources: European Environment Agency (EUA), Oxford University 7

### LET'S TAKE ACTION TOGETHER







Manufacturing Industries have been known to implement sustainability in their production processes in multiple forms like conducting an Environmental Impact Assessment, resorting to Lean Manufacturing, investing in Sustainable Technology or even implementing an in-depth Monitoring Technology to make sure wastage is minimized and sustainability goals are achieved.



#### MONITORING AND REPORTING

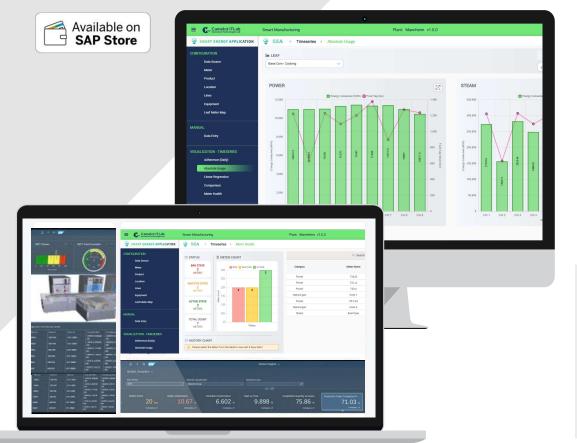
Analysis of usage of natural resources with a dual aim of maximizing production and minimizing wastage of natural resources.

#### **INNOVATION FOR A SUSTAINABLE FUTURE**

with 'Streamlining the Manufacturing Process' to ensure an 'Optimum Utilization of Natural Resources'

### Camelot Sustainable Manufacturing - Smart Energy powered by SAP Business Technology Platform





### SMART ENERGY APPLICATION

- Digital solution for tracking resource consumption and usage leveraging AI algorithms to define and analyze trending data and define smart targets
- Extending SAP DMC and built on SAP BTP
- Usage of SAP Workzone for seamless user experience

#### Sustainability project reference



Analysis of energy consumption and definition of smart targets leveraging AI algorithms, thus reducing amount of energy and realizing Kellogg's sustainability vision

### Customer benefits

#### SEAMLESS REDUCED PRO INTEGRATION VISIBILIT ENERGY Guided root cause Integration and extension Tracking of actual AI-enabled analysis and of SAP DMC via SAP BTP resource consumption analysis and and continuous improvement

and SAP Build Workzone to enable improved user experience

Bring visibility to operations about how much energy we are using

of energy, waste, and emissions in shopfloor reduction of energy consumption



### CAMELOT ITLab GmbH

The two pillars of the CAMELOT Group are CAMELOT Management Consultants AG and Camelot Innovative Technologies Lab (Camelot ITLab). Together we have 1,800 employees worldwide and headquarters in Mannheim, Germany. Our integrated consulting approach and close collaboration with renowned technology specialists, guarantee project success along all consulting phases: from decision-making to the organizational and technical implementation. Camelot ITLab is the leading IT consultancy for digital value chain management and driver of innovation in emerging enterprise technologies including Blockchain and AI. We stand for highest quality and responsibility, proven by an excellent track record. Innovations to solutions.

#### www.camelot-itlab.com

#### WHY Camelot

 $\rightarrow$  CAMELOT guides businesses around the globe in transforming their IT ecosystems, with a strong focus on Supply Chain Management, Logistics, Data & Analytics, Customer Experience, and ERP.

 $\rightarrow$  CAMELOT provides a digital assessment approach to identify the right technological innovations with the highest added value

 $\rightarrow$  CAMELOT continuously scans the market for newly developed technological innovations and has experience in implementing a variety of digital technologies

Camelot ITLab

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