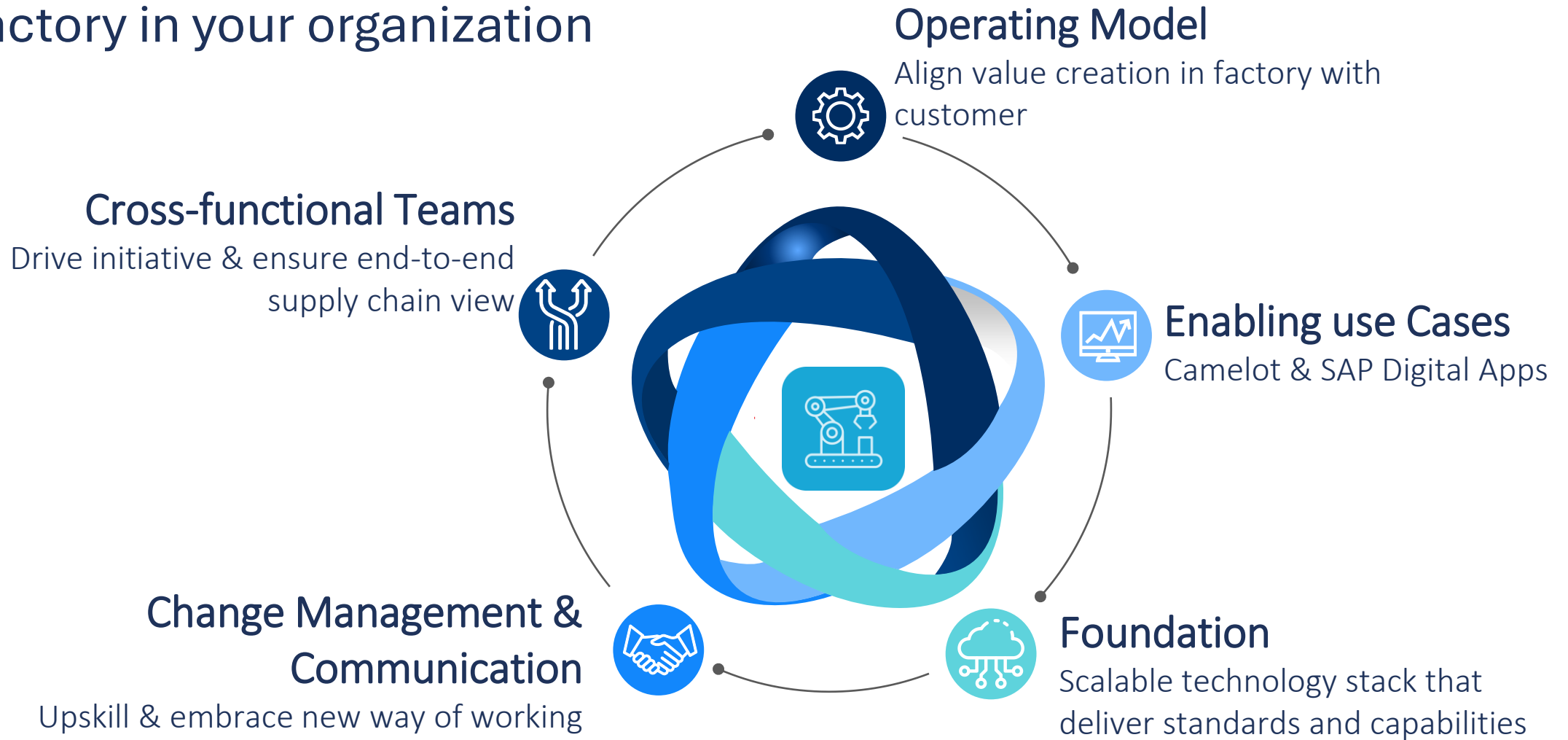




Sustainable Manufacturing

Smart Energy

Five key elements to establish Smart Factory in your organization



Smart Factory Benefits

REVENUE



Increase in customer satisfaction

Improved order fulfillment and on-time shipments.



Incremental revenue opportunities

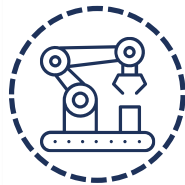
Real-time visibility to on-hand inventory.



Reduction of manufacturing cycle times

Real-time visibility to orders and exceptions

OPERATIONS



Less defects, re-work and short runs

Six Sigma compliance.



Reduced exception handling costs

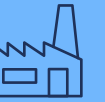
Faster automated resolution of exceptions



Sustainable Manufacturing

Clean manufacturing to conserve energy and natural resources

WORKING CAPITAL



Reduction of raw material inventory

Accurate inventory visibility and exception-based management



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 DM, SAP MII/ME, 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



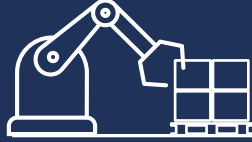
Plant Maintenance



Predictive Quality



Electronic Shift Book



Robot Palletization



Alerts



Autonomous Maintenance



Overall Equipment Effectiveness

Cloud


- ▶ SAP Digital Manufacturing Cloud for Insights (DMCi)
- ▶ SAP Digital Manufacturing Cloud for Execution (DMCe)

On-Premise


- ▶ SAP Manufacturing Integration and Intelligence (MII)
- ▶ SAP Manufacturing Execution (ME)
- ▶ SAP Plant Connectivity (PCo)



Smart Energy




Production Execution




Track & Trace



Manufacturing Performance



Product Quality



Process Optimization



Product Networks




Camelot Smart Factory Service Portfolio




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Smart Energy




Production Execution




Track & Trace



Manufacturing Performance



Product Quality



Process Optimization



Product Networks



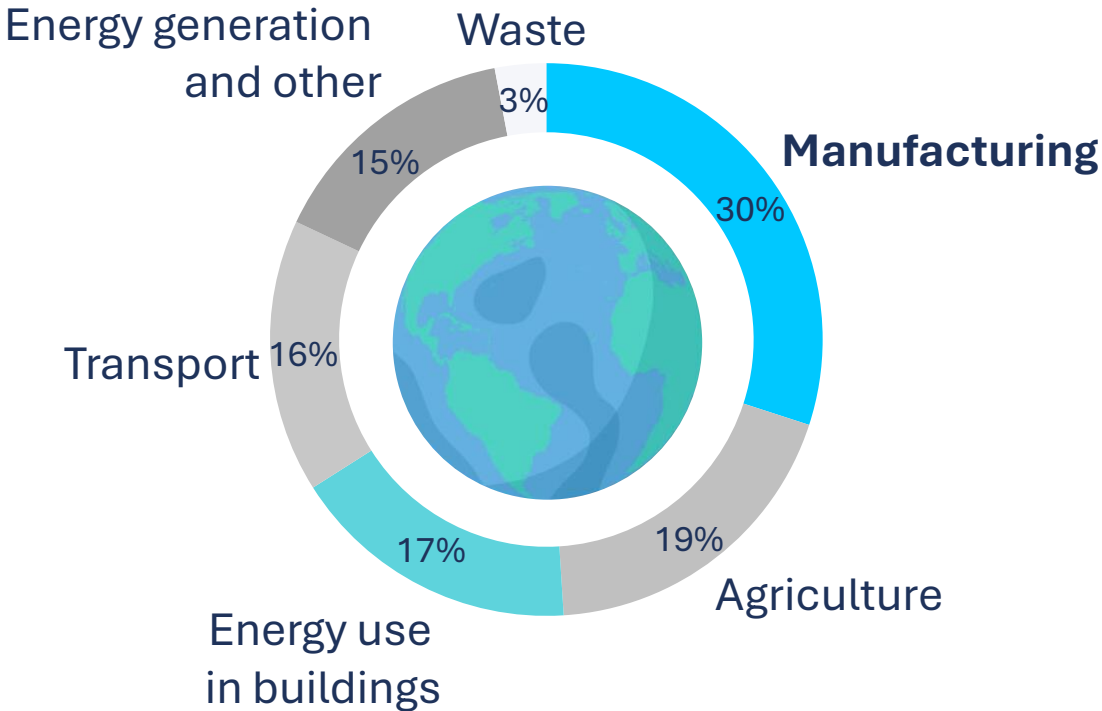


**SUSTAINABILITY IS
NOT A CHOICE –
IT'S A
RESPONSIBILITY**

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

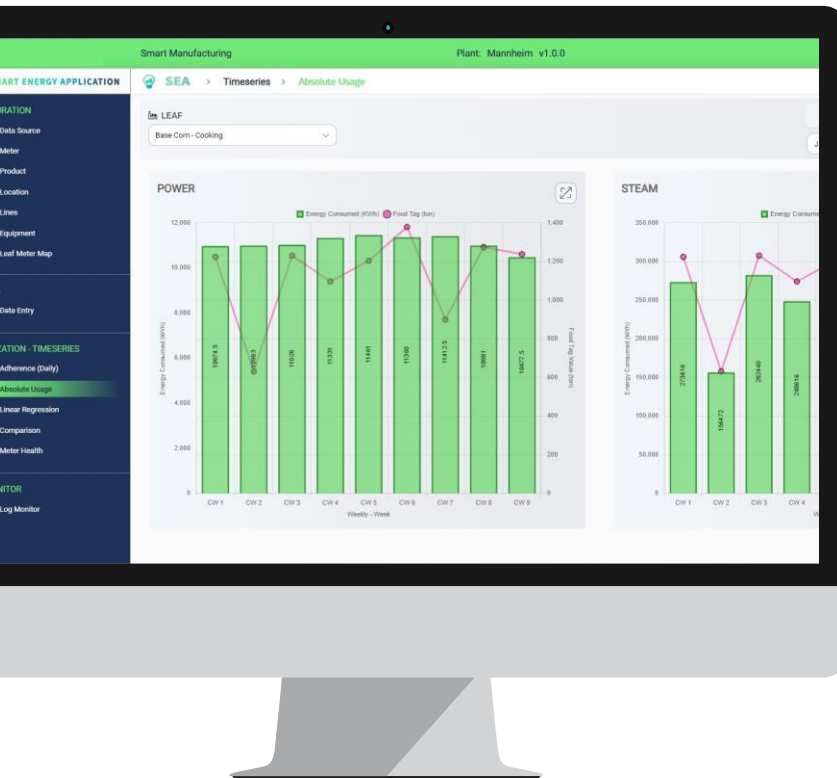
Manufacturing accounts for 30% of global CO2 emissions; it is the greatest lever to achieve sustainability

Total emissions: 50 bn to (2019)



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.



**SMART ENERGY
APPLICATION**

MONITORING AND REPORTING

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

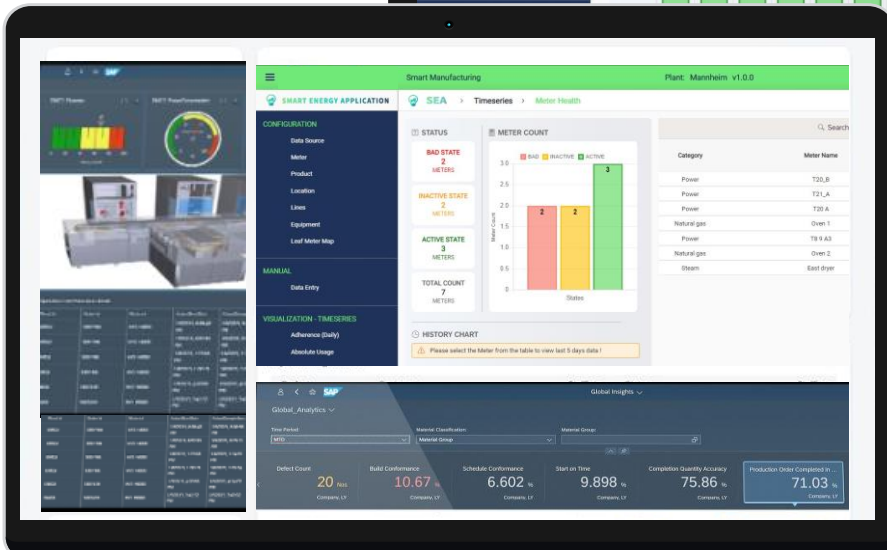
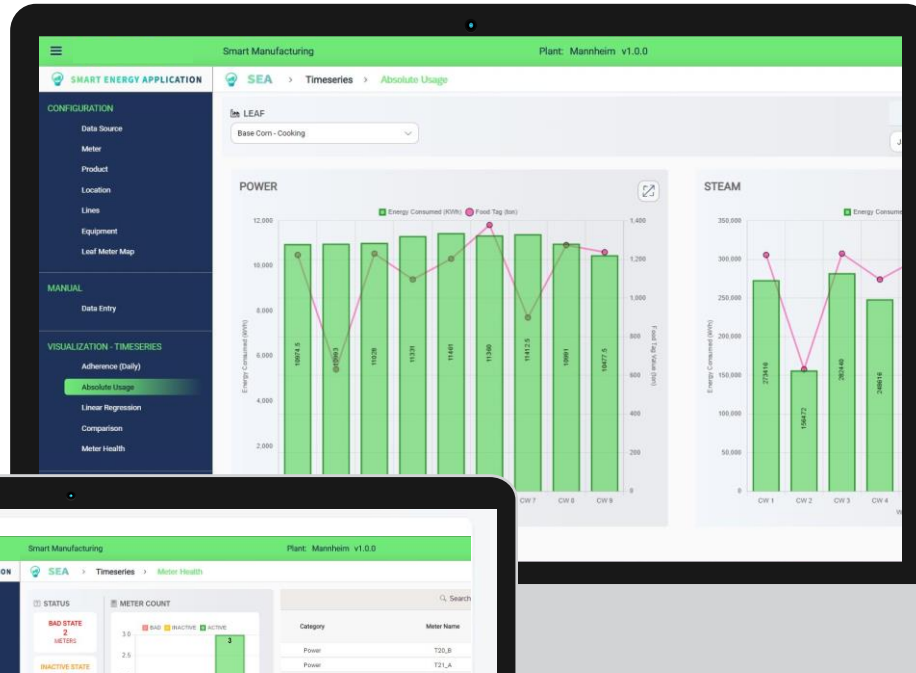
INNOVATION FOR A SUSTAINABLE FUTURE

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



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 INTEGRATION

Integration and extension of SAP DMC via SAP BTP and SAP Build Workzone to enable improved user experience



IMPROVED VISIBILITY

Tracking of actual resource consumption
Bring visibility to operations about how much energy we are using



SMART TARGETS

AI-enabled analysis and continuous improvement of energy, waste, and emissions in shopfloor



REDUCED ENERGY

Guided root cause analysis and reduction of energy consumption

Camelot Management Consultants

We are a global management and technology consulting firm focusing on value chain management. Our mission: turning our clients' value chains into a competitive advantage and creating lasting impact where our clients need it most. By combining our industry focus, value chain process expertise, and technology know-how, we guide our clients from strategy to sustainable technology adoption.

www.camelot-mc.com

Why Camelot

- 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.
- Camelot provides a digital assessment approach to identify the right technological innovations with the highest added value
- Camelot continuously scans the market for newly developed technological innovations and has experience in implementing a variety of digital technologies

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