



Industrial TOOLS

# DESOUTTER ECOSYSTEM

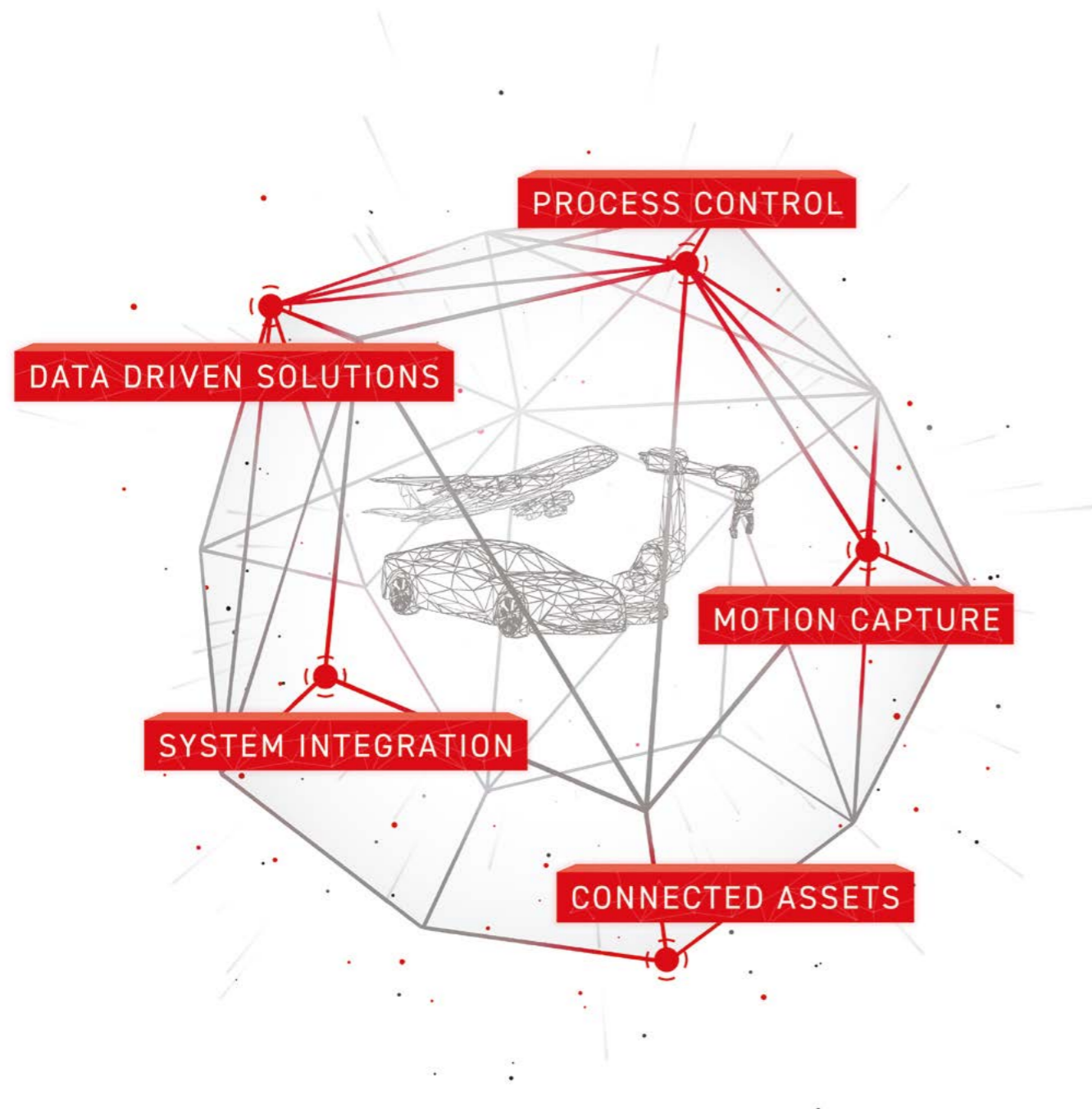
MAXIMIZE PROCESS EFFICIENCY

More Than Productivity



# DESOUTTER ECOSYSTEM

## MAXIMISE PROCESS EFFICIENCY



DESOUTTER ECOSYSTEM IS A COMBINATION OF INTERCONNECTED HUMAN EXPERTISE AND SOLUTIONS DESIGNED TO FACE CURRENT AND FUTURE PRODUCTION LINE CHALLENGES



### FLEXIBLE

One complete solution from applications up to Data analytics with recommendations.



### SCALABLE

Build your story at your own pace with DESOUTTER ECOSYSTEM!



### INTUITIVE

Work in full autonomy with a seamless user experience.



# 100% INTERCONNECTED

## INTERCONNECTED EXPERTISE

### WE ARE GLOBAL... AND ACT LOCAL

Global expertise in various manufacturing sectors (Automotive, Tiers, Aerospace, general industry...) with local support to fully leverage our know-how and Desoutter ECOSYSTEM solutions.



### DESOUTTER OPERATIONAL UNITS

A global network of local entities including Service and local Management are strategically located in more than 20 regions covering over 50 countries to deliver a high responsiveness rate, advices tailored to needs and an efficient local support.

### DESOUTTER REGIONAL HUBS

Regional teams of experts with significant local agility to accelerate product and feature innovations with a faster time to market.

### DESOUTTER PROJECT TEAMS

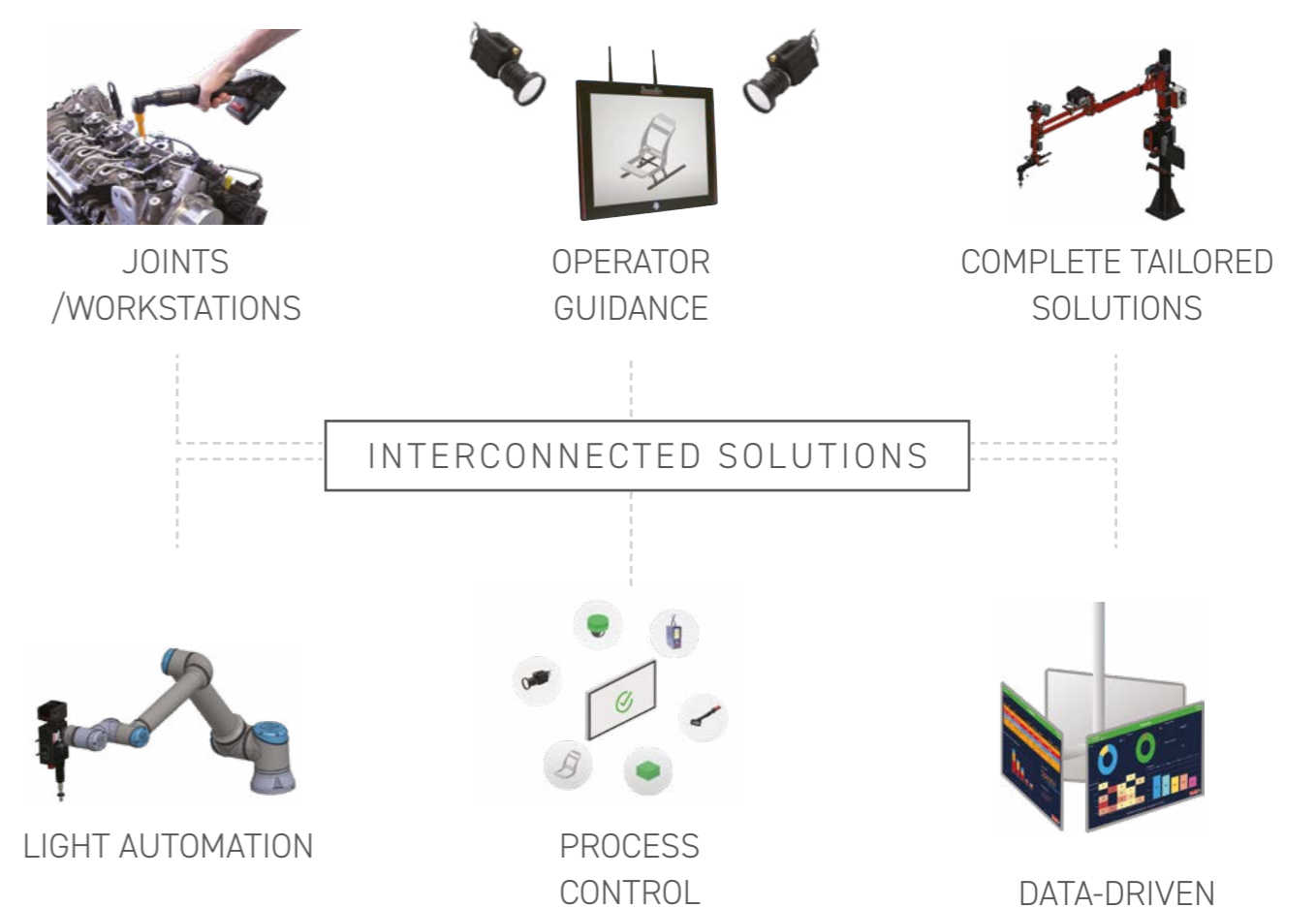
More than 80 project engineers around the globe who tailor our technical offer to match with local requirements and deliver the right solutions.

### DESOUTTER SERVICE

Service experts all around the world integrate the required solutions in your factory. They ensure it is done right first time and deliver the highest possible performance.

## INTERCONNECTED SOLUTIONS

FULL RANGE OF SCALABLE, FLEXIBLE AND ADVANCED SOLUTIONS which deliver even more added values when all work together.



### START FROM ANYWHERE, EVOLVE AT ANY TIME



Start from anywhere according to **current** production line **challenges**

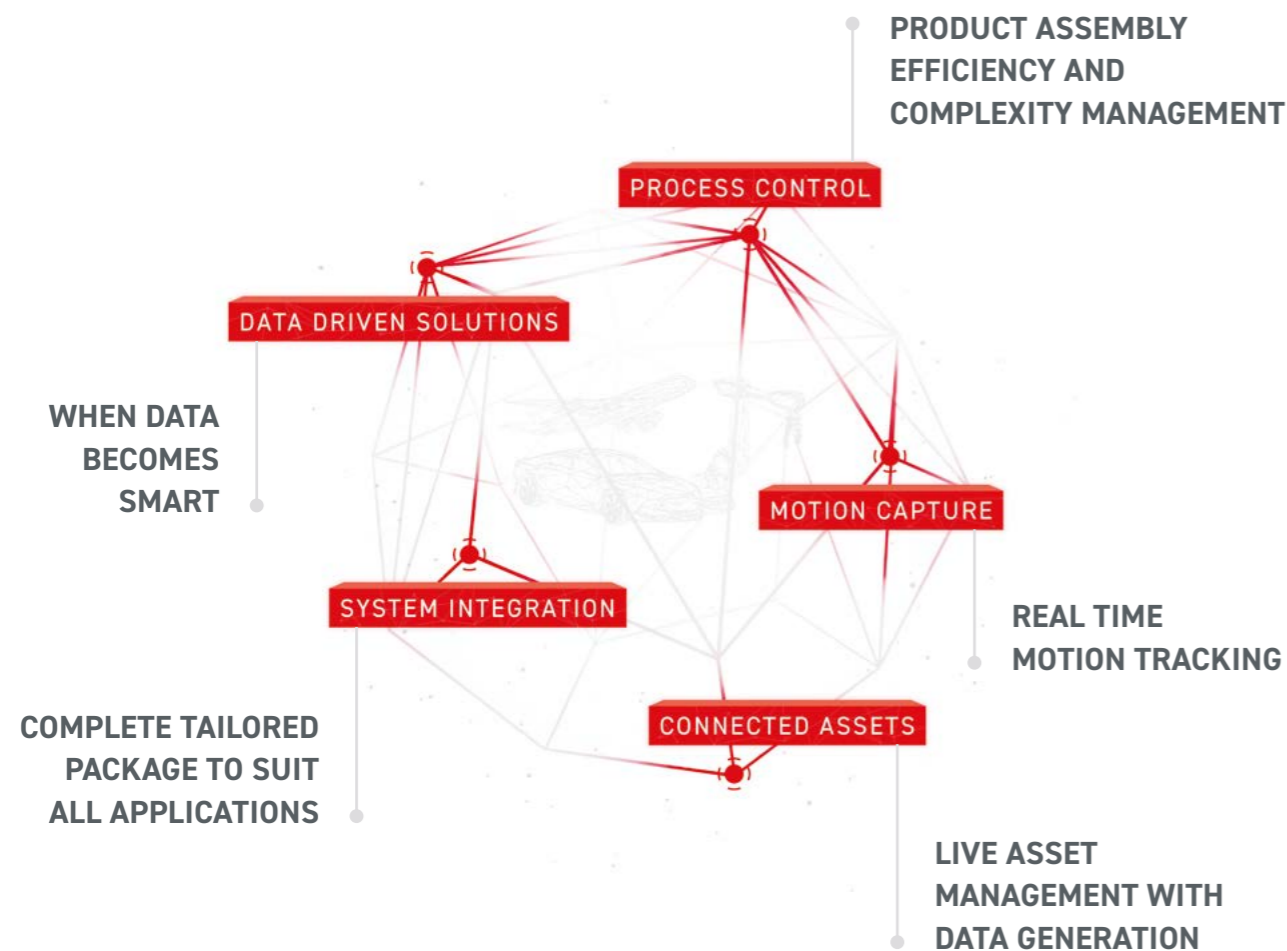


Evolve at any time to adapt to **new** production line **challenges**

# INTERCONNECTED EXPERTISE

DESOUTTER ECOSYSTEM IS COMPOSED OF 5 INTERCONNECTED **R.E.D.** CORES

RECEPTIVE EXPERT DRIVERS



A **R.E.D. core** is a dedicated organization concentrating technology and human know-how in a **specific field of expertise**

## CONNECTED ASSETS

Merge of operational equipment with information technology to drive assets and collect DATA for real-time error proofing.



MULTI-ASSET MANAGEMENT



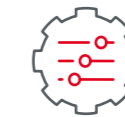
TIGHTENING, DRILLING QUALITY MEASUREMENT



FULL TRACEABILITY WITH DATA GENERATION

## SYSTEM INTEGRATION

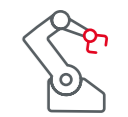
Technical solutions adaptation and complete machine developments to meet applications requirements for an optimal integration.



HARDWARE / SOFTWARE ADAPTATION



COMPLETE MACHINE DEVELOPMENT



LIGHT AND FLEXIBLE AUTOMATION

## MOTION CAPTURE

Real-time tracking of connected assets and operator movements to increase first-pass yield to up to 100%.



LIVE AND PRECISE MOTION CAPTURE



PROCESS DRIVEN REAL-TIME LOCATING SYSTEM



AUGMENTED REALITY PRODUCTION

## PROCESS CONTROL

Production efficiency improvement with guaranteed finished product quality by managing process requirements of each operator standardized task and industrial equipment interlock.



STATION MANAGEMENT



OPERATOR GUIDANCE



VARIANT MANAGEMENT

## DATA DRIVEN SOLUTIONS

Continuous hot and cold production data analytics with highlighting of relevant information for enhanced decision making and action prioritization to improve overall line efficiency.



KPI CALCULATION FROM DATA COLLECTED



DATA ANALYSIS AND PRESCRIPTION

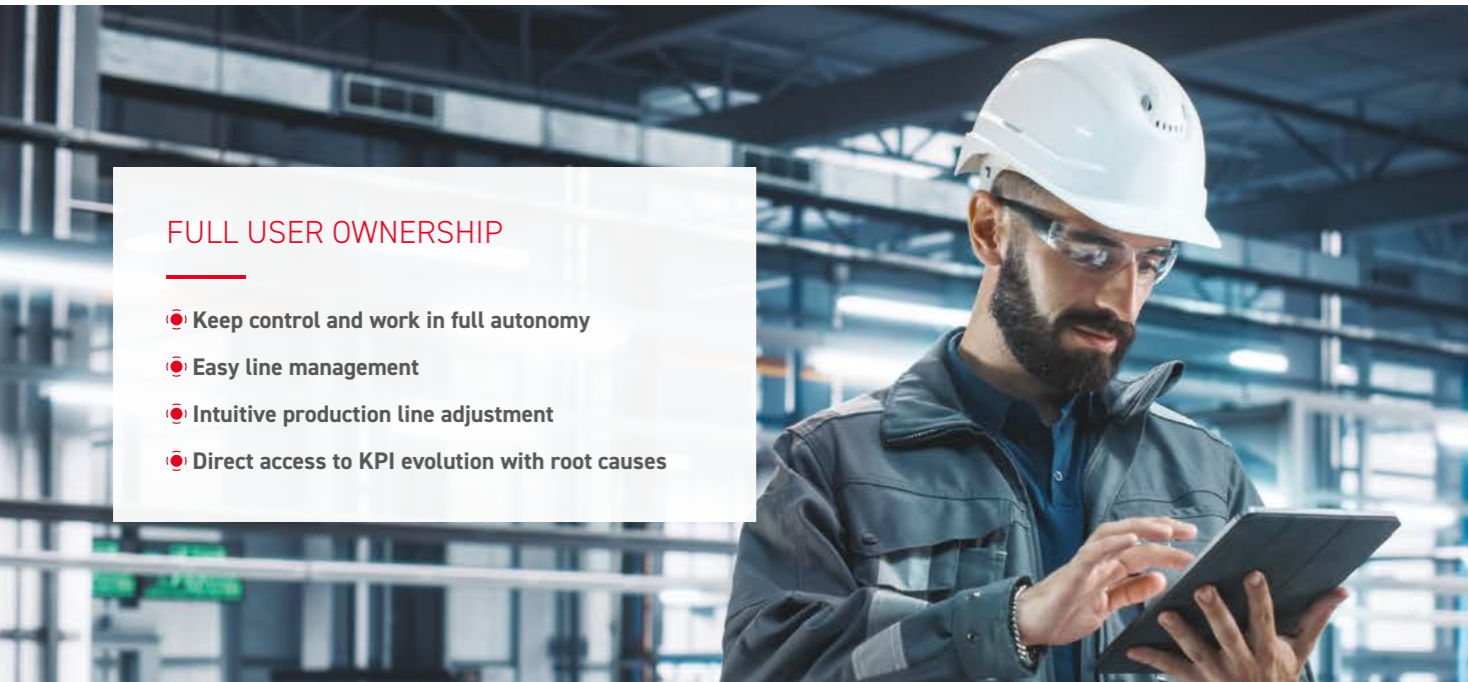


NOTIFICATIONS AND ALERTS



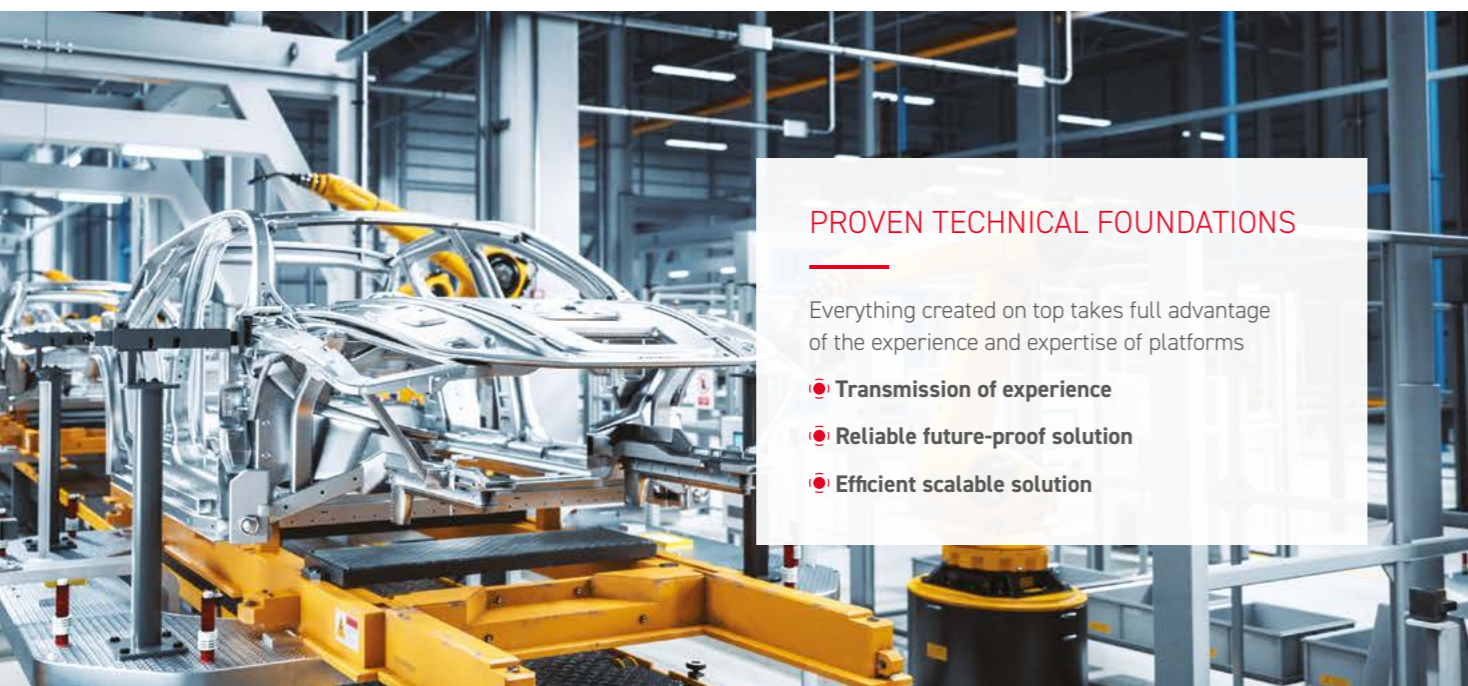
# INTERCONNECTED SOLUTIONS

DESOUTTER ECOSYSTEM IS COMPOSED OF **8 PLATFORMS** WHICH ARE **TECHNICAL FOUNDATIONS** OF R.E.D. CORES



## FULL USER OWNERSHIP

- Keep control and work in full autonomy
- Easy line management
- Intuitive production line adjustment
- Direct access to KPI evolution with root causes



## PROVEN TECHNICAL FOUNDATIONS

Everything created on top takes full advantage of the experience and expertise of platforms

- Transmission of experience
- Reliable future-proof solution
- Efficient scalable solution

## CONNECTED ASSETS

### CONNECT

Desoutter



With error proofing accessories and full traceability management for up to 20 tools CONNECT platform is a powerful solution able to manage all items related to the assembly line.

### EVO

Desoutter



éVo platform dedicated to aerospace advanced drilling applications is leading to smarter and more sustainable manufacturing focusing on health & safety, quality and productivity.

## SYSTEM INTEGRATION

### PROJECTS

Desoutter



Adaptation of existing technical solutions to specific applications: from tailor-made assets to complete machines on manual or fully automated workstations.

### RAPID

Desoutter



Screw feeding system tailor-made to adapt your application. Aiming to increase automation level, improve takt time and achieve higher stability of your production line.

### LIGHT AUTOMATION

Desoutter



From single application to automated process solutions, LIGHT AUTOMATION platform delivers compact, light and autonomous end of arm tooling to secure and optimize your core process.

## MOTION CAPTURE

### nex)))onar

Desoutter



Intelligent assistance system for real time position monitoring of assets with many kinds of technical solutions depending on the applications and the required accuracy.

## PROCESS CONTROL

### PIVOTWARE

Desoutter



Holistic process control platform and worker assistance solution with an easy mastering of the wealth of variants to carry out the zero defect strategy.

## DATA DRIVEN SOLUTIONS


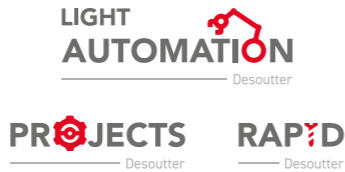




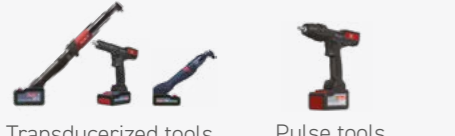
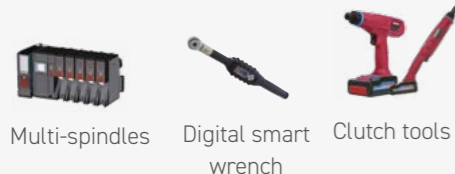
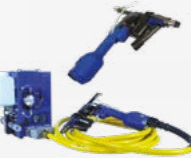












### DE METER

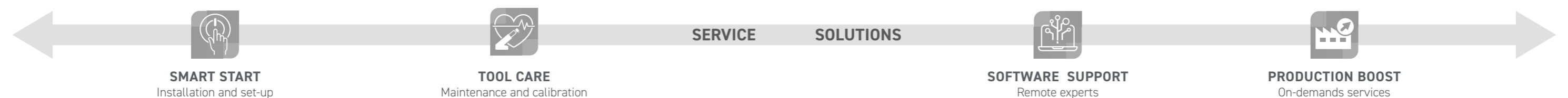
Desoutter



Data Driven Solution, collecting and computing production data to gain efficiency by easily identifying key sources of downtime and defects with corrective actions recommendations through prescription.

# GLOBAL OVERVIEW - MAIN FEATURES

CONNECTED ASSETS	SYSTEM INTEGRATION	MOTION CAPTURE	PROCESS CONTROL	DATA DRIVEN SOLUTIONS
LIVE ASSET MANAGEMENT WITH DATA GENERATION	COMPLETE TAILORED PACKAGE TO SUIT ALL APPLICATIONS	REAL-TIME MOTION TRACKING	PRODUCT ASSEMBLY EFFICIENCY AND COMPLEXITY MANAGEMENT	WHEN DATA BECOMES SMART
				
 <p><b>INDUSTRIAL SMART HUB</b> FLEXIBILITY, UPTIME &amp; PRODUCTIVITY</p>  <p>Transducerized tools    Pulse tools</p>  <p>Multi-spindles    Digital smart wrench    Clutch tools</p>  <p><b>ADVANCED ELECTRIC DRILLING</b> FLEXIBILITY, UPTIME &amp; PRODUCTIVITY</p>	 <p><b>ROBOT/COBOT SOLUTIONS</b> PRODUCTIVITY &amp; UPTIME</p>  <p><b>ADVANCED MACHINES</b> QUALITY, UPTIME &amp; PRODUCTIVITY</p>  <p><b>CUSTOMIZED SOLUTIONS</b> Hardware and software QUALITY, UPTIME &amp; PRODUCTIVITY</p>  <p><b>SCREW FEEDER</b> Tailor-made screw-feeding system PRODUCTIVITY &amp; UPTIME</p>	 <p><b>GEOPOSITIONNING</b> Tightening sequence control QUALITY &amp; PRODUCTIVITY</p>  <p><b>VIRTUAL CABLE</b> Working area QUALITY &amp; PRODUCTIVITY</p>	 <p><b>PROCESS CONTROL</b> full traceability of all operations / results from manufactured products QUALITY &amp; PRODUCTIVITY</p>  <p><b>OPERATOR GUIDANCE</b> Full controlled process PRODUCTIVITY, UPTIME &amp; FLEXIBILITY</p>  <p><b>VARIANT MANAGEMENT</b> on overall consolidated product operations FLEXIBILITY &amp; UPTIME</p>	 <p><b>DASHBOARDS</b> Customizable Dashboard and KPIs UPTIME &amp; PRODUCTIVITY</p>  <p><b>NOTIFICATIONS /ALERTS</b> Operator calls sent to Demeter App UPTIME &amp; PRODUCTIVITY</p>  <p><b>DE METER BOOSTLAB</b> Analytics based on data collection [recommendation &amp; prevention] QUALITY, UPTIME &amp; PRODUCTIVITY</p>



# More Than Productivity