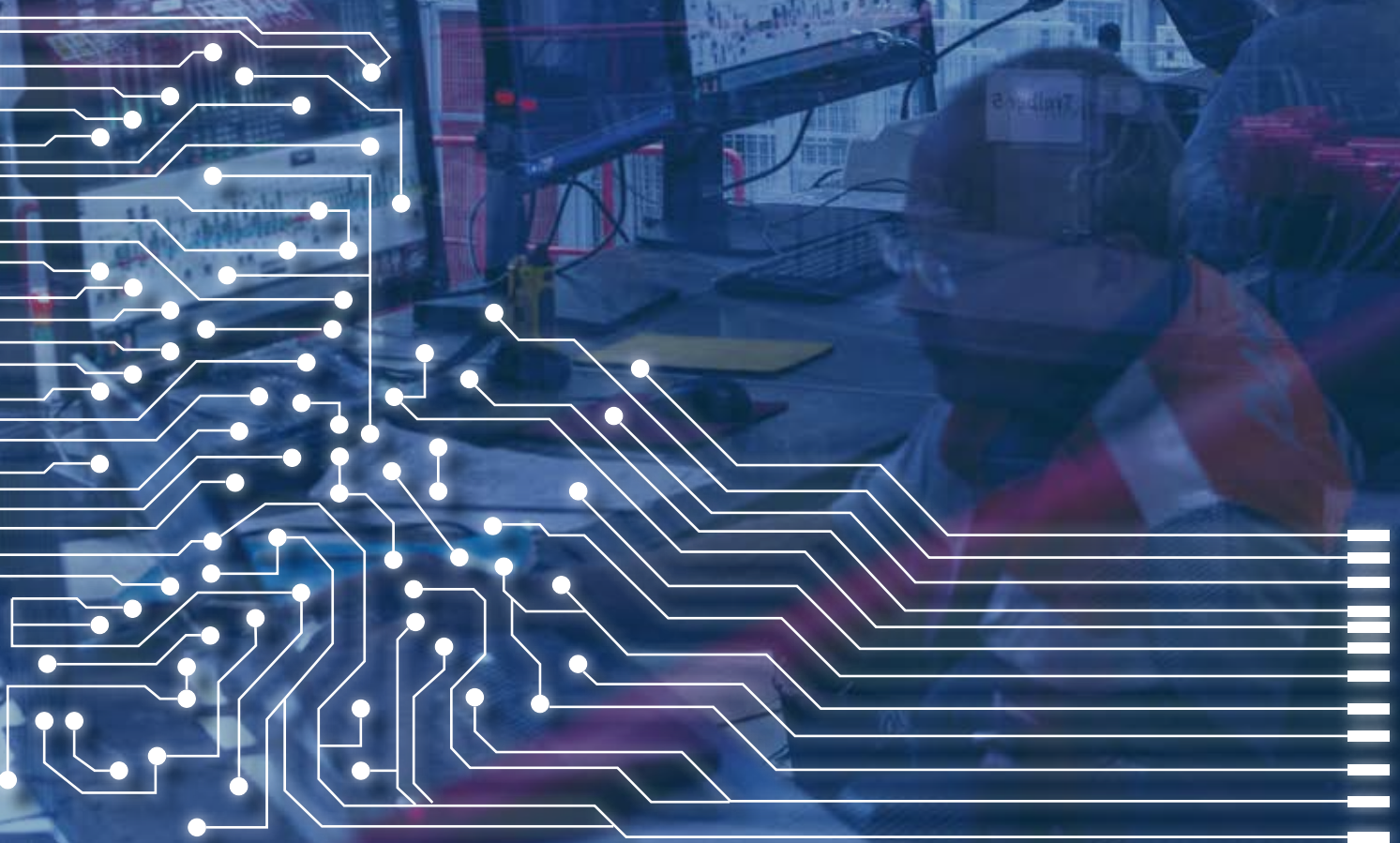


# DIG&MET

SIMPLIFYING  
METALS  
COMPLEXITY

Your digital transformation  
partner in the metals industry

DANIELI AUTOMATION





# DIGI&MET



Simplifying  
Metals  
Complexity

DIGI&MET is the cross-functional business unit Danieli has created to develop and implement new plant design concepts, based on digital innovation, and also new business

models based on servitization and outcome economy principles, to ensure consistency in quality, plant utilization, OpEx and faster deliveries. A real step towards Industry 4.0





We drive our customers along their digital transformation journey, a two-steps path that, starting from granting the plant capability to measure its business processes, pursues the Intelligent Plant target.

The Intelligent Plant is a safe, flexible, efficient and environmentally friendly concept of manufacturing founded on the extensive digitalization of its business processes, the deep integration of cyber and physical worlds and the strong interconnection of smart systems and humans.

In an Intelligent Plant, systems and equipment autonomously execute complex tasks and support humans in complex decision-making or even provide decision-automation.

## WHY









# HOW



### **Multidisciplinary Team**

We combine the specific process know-how acquired in the hundred years of Danieli history with the strong data science, information technology and automation expertise developed in Danieli Automation.

We are a passionate and inspired team that, with its Innov-Action attitude, aims at being a step ahead in the application of Digitalization and Industry 4.0 paradigms.



### **Customer Intimacy**

We apply a customer-centric approach, based on digital innovation under new business models, to get closer to our customers, establishing a relationship based on trust, loyalty and confidence, in order to be selected as partners in their business evolution path, from the “running the business” to the “improving the business” attitude.







# WHAT

Plant digitalization requires awareness of the involved business processes, knowledge of KPIs and metrics to measure them and capability to extract and collect the relevant data for its further transformation into valuable insights.

Our solutions support the most critical plant-wide business processes, bringing a significant contribution for their digitalization, but also represent the most proper places where to jointly implement the virtuous circle Measure-Gain Insights-Improve.

<b>DIGITAL SERVICES</b>	<b>QS-DIGITAL SCAN</b> Digital readiness & maturity assessment	
	<b>QS-PROCESS SCAN</b> Process assessment	<b>QS-ENERGY SCAN</b> Consumption a.
<b>ADVANCED BUSINESS ANALYTICS</b>	<b>Q3-INTELLIGENCE</b> Business & Predictive analytics	
<b>MANUFACTURING OPERATIONS MANAGEMENT</b>	<b>Q3-MET</b> Ext. Manufacturing Execution	<b>Q3-PREMIUM</b> Through-Process Quality Management
	<b>Q3-DEMS</b> Energy Management	<b>Q3-DYMS</b> Yard Management
	<b>Q3-DMMS</b> Maintenance Management	<b>Q3-DCMS</b> Condition Monitoring
<b>ADVANCED PROCESS CONTROL</b>	<b>Q-METAL</b> Steelmaking Process Control & optimization	
	<b>Q-FLAT</b> Flat product process Control & optimization	<b>Q-LONG</b> Long product process Control & optimization
<b>HUMAN-IN-THE-LOOP</b>	<b>3Q PULPIT</b> Digital pulpit	<b>iSTAND</b> Virtual Training
	<b>SAFESTAR</b> Operator Communication & Locator	
<b>SIMULATION</b>	<b>Q-LIVE</b> Process Simulator	









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