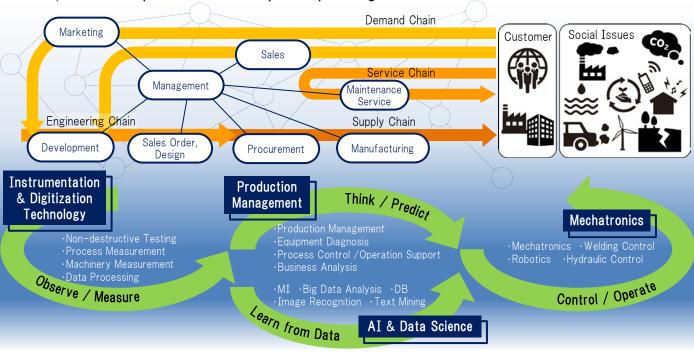
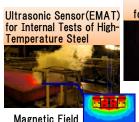
## Digital Innovation Technology Center (DITec)

The KOBELCO Group is promoting DX (Digital Transformation) and established a Digital Innovation Technology Center in April 2021. We aim to accelerate the development of advanced technologies and their application to our business activities. DITec will create new value by connecting data across the entire value chain of sales, marketing, development, manufacturing and services, as well as by utilizing advanced digital technologies. Moreover, through these activities, we will develop human resources capable of promoting DX.





Developed measurement systems for the high temperature/ exacting conditions peculiar to the steel industry. Lead digitalization in the real world, creating customer value and enhancing product competitiveness.



manufacturing process.

Radiation Thermometry for Blast Furnace Pig Iron Heat-resistant Wireless Sensor

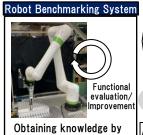
Magnetic Field Design Simulation

Housing TEMP. Simulation

Measurement Systems for High Temperature Processes

## Manipulate / Operate

Functional evaluation of applying robotics can be performed by the robot-benchmarking system to accelerate factory automation.



various evaluations

3D Simulation Feasibility evaluation /Pre-designing robot motion **Extract Works** For Automation

Applying Knowledge

Production Factory Automation Solution by Robotics

## Think / Predict

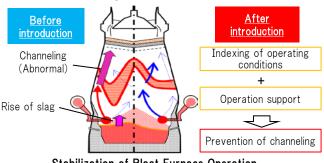
Connect data from customer demand trends to factory production plans and manufacturing sites, and optimize business and equipment processes based on predictions.



Optimal Production Control for High-mix Variable-volume Factory

## Learn from Data

Enhance human understanding of high-dimensional data and create new value through data-driven science.



Stabilization of Blast Furnace Operation by Operation Support System Utilizing Sensor Data

