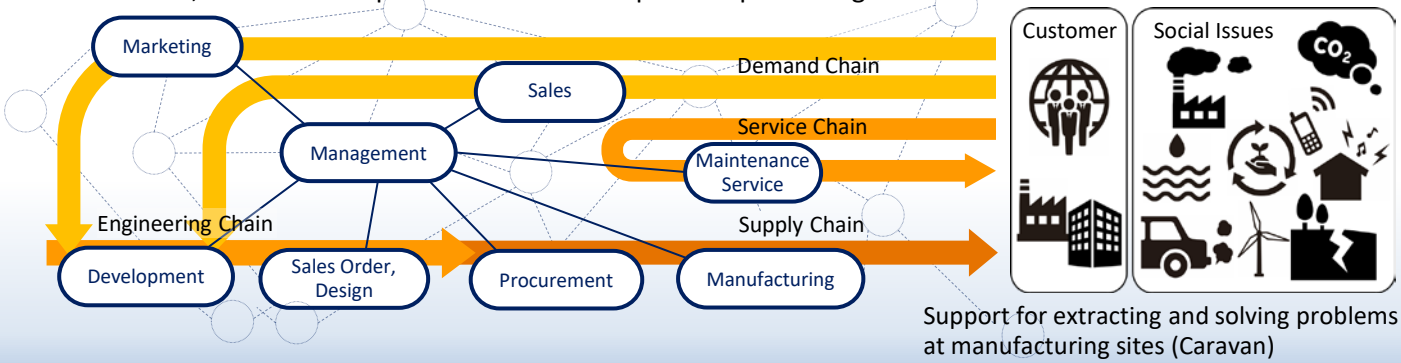
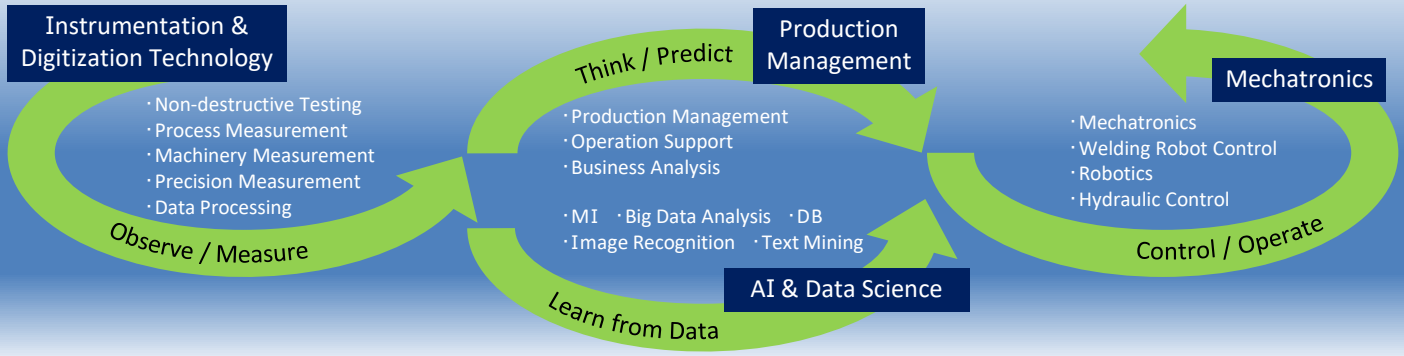
Digital Innovation Technology Center (DITec)

The Digital Innovation Technology Center plays an important role particularly in accelerating the development of advanced technologies and their business application in the DX (Digital Transformation) promoted by the KOBELCO Group. 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.

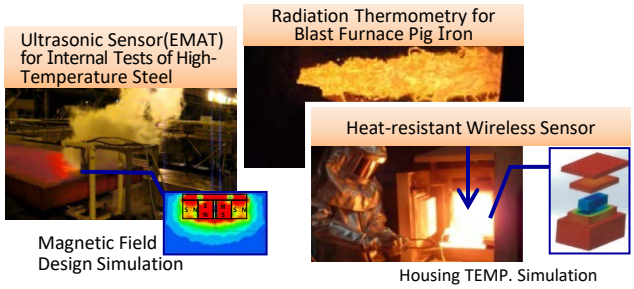


Support for extracting and solving problems at manufacturing sites (Caravan)



Observe / Measure

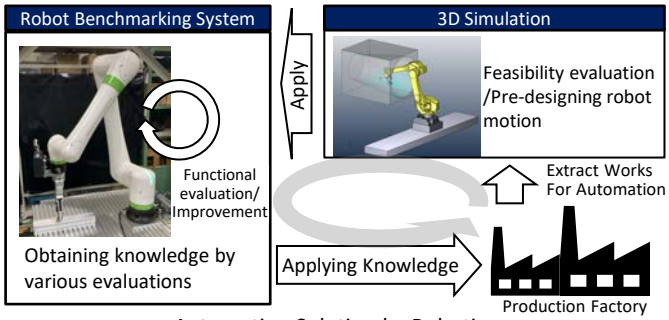
Developed measurement technology for the high temperatures and harsh conditions unique to the steel industry.
Lead digitalization, contributing to creating customer value and strengthening product competitiveness.



Measurement Systems for High Temperature Processes

Manipulate / Operate

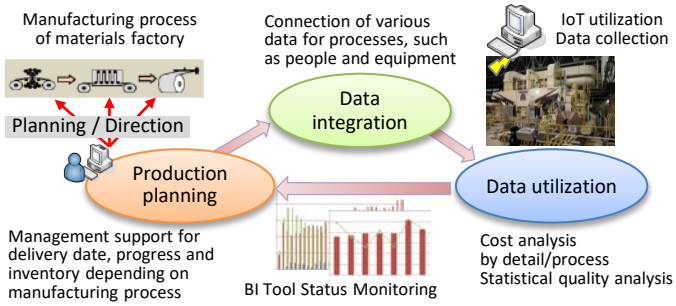
Functional evaluation of applying robotics can be performed by the robot-benchmarking system to accelerate factory automation.



Automation Solution by Robotics

Think / Predict

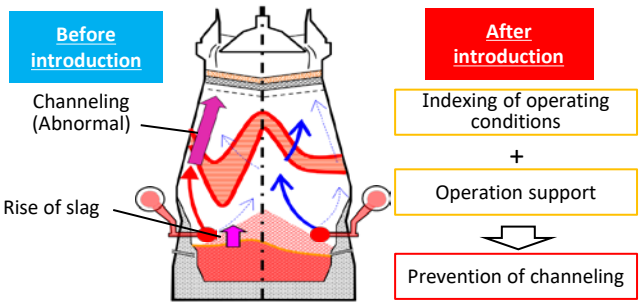
Connect data from customer demand trends to factory production plans and manufacturing sites. Anticipate the future and optimize production management operations.



Production management and business model development for high-mix, variable-volume production.

Learn from Data

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



Stabilization of Blast Furnace Operation by Using Sensor Data[AI-Based Blast Furnace Operation]