

# Activate AI for Manufacturing processes

Building a best in class data & AI factory in B2B manufacturing in less than 1 year

## Client challenges

A major international Mining & Metallurgical company was looking to test AI by making quality metal cheaper in two countries, experiment with AI teams with a strong involvement of business & IT, and create an iterative approach of *“Think large, start small, scale fast”*. The goal of the initiative was to demonstrate AI value for metallurgic fusion, and build an AI factory with a decent time-to-market operating model & governance to support AI at scale. Producing a metal of better quality with the same resources

## Solution

Together with Capgemini Invent, the company created a C-Level sponsored use case roadmap, prioritized by business value, with value tracking to monitor gains.

In parallel, a pragmatic data governance approach was designed, with prioritization of data domains according to client needs and priority use cases. Capgemini Invent helped reaching alignment of IT / Digital stakeholders on a best in class operating model, able to deliver “live products” in less than 4 months time-to-market.

## Success Story Overview

**Customer:** A diversified mining & metallurgical company

**Industry:** Retail

**Location:** North America

**Client Challenges / Business Need:**

- **Wanted to connect with its one billion customers through meaningful and relevant dialogue**
- **Launch a data incubator to begin transformation**

**Results:**

- **Launch of a People Data Centre, providing industrialized insights as a service**

## About Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of 200,000 team members in over 40 countries. The Group reported 2018 global revenues of EUR 13.2 billion.

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**Figure 1.** The transformation from product-centric to service-centric

### Results

The manufacturer was able to deliver more than 10 projects worldwide (in Asia, Africa, Europe, and many more) best in class methodologies including: continuous process optimization, energy reduction, and discrete manufacturing optimization. One of the project's value in Fusion control for Nickel alloys production resulted in:

- **40%** reduction in FeSi consumption
- **25% to 50%** reduction in furnace production
- **0 to -25%** reduction in dopant consumption
- Annual cash flow savings: **€2,1M**

Interested? Contact one of our Artificial Intelligence experts

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