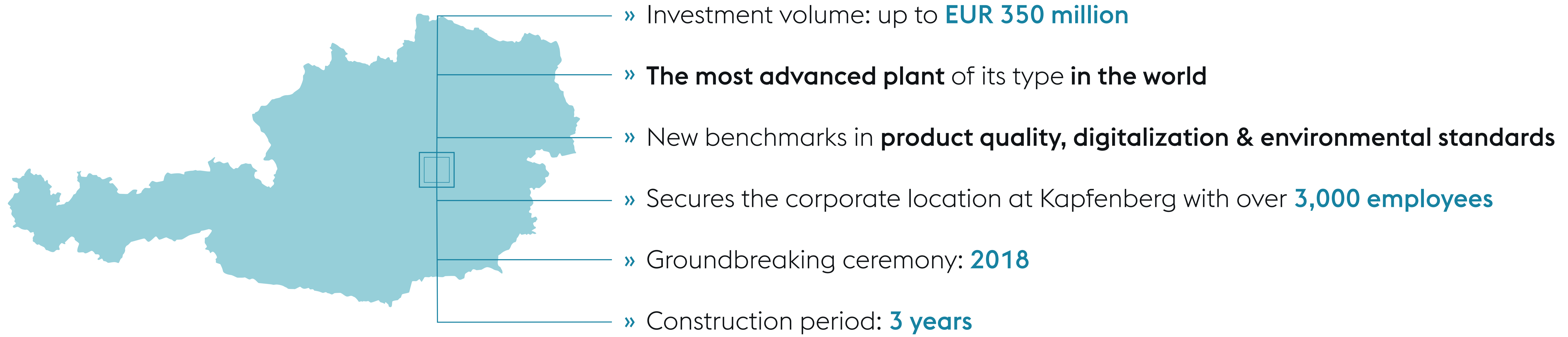


# MOST ADVANCED SPECIAL STEEL PLANT IN THE WORLD

BÖHLER EDELSTAHL GMBH & CO KG, KAPFENBERG

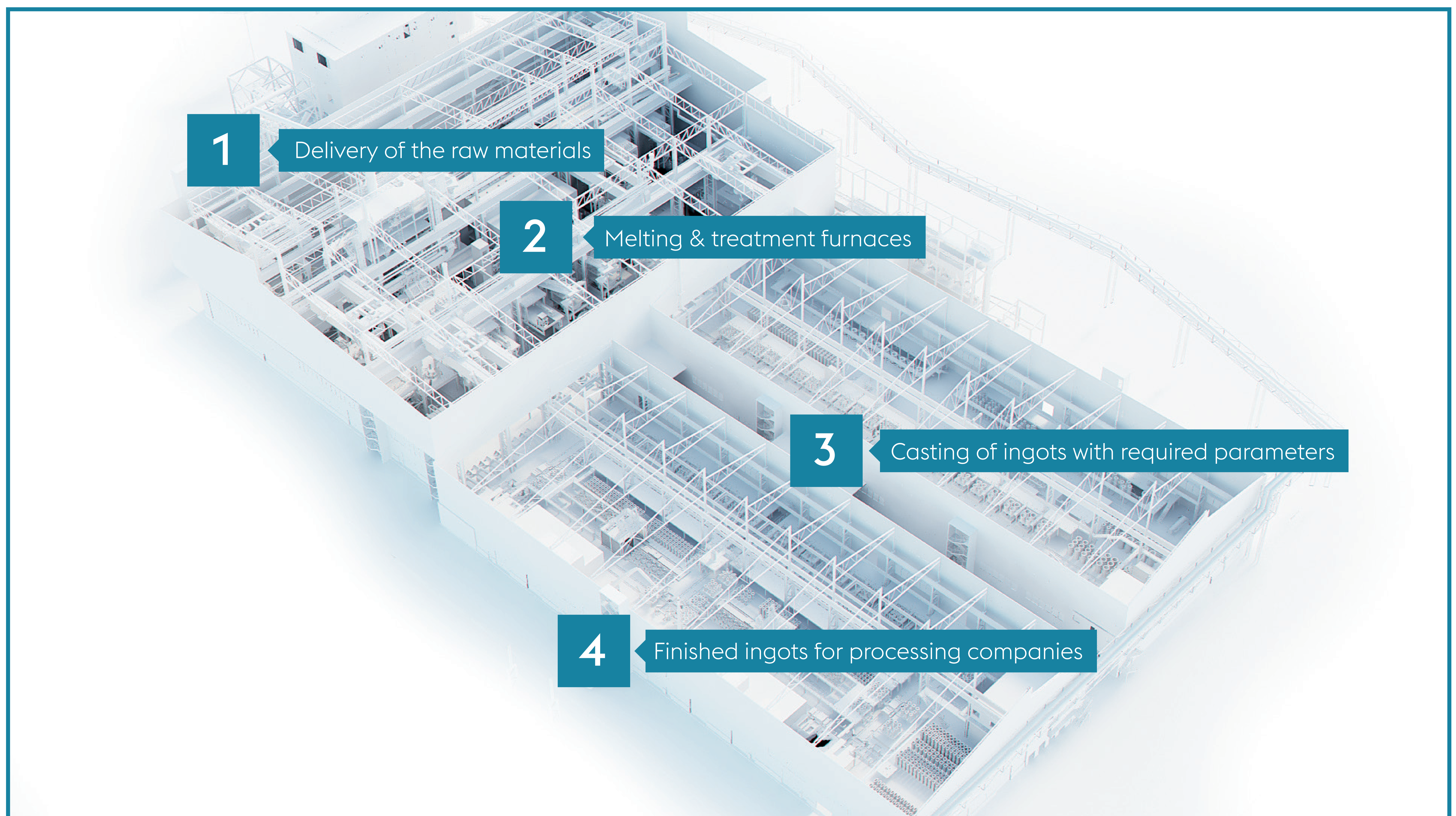


## PROCESSES & FUNCTIONS AT THE SPECIAL STEEL PLANT

### Automation & digitalization:

- » Fully digitalized & automated production processes
- » Central control stand

**One melting and two casting halls** cover the entire special steel production process:



### 1) Highly efficient electric arc furnace:

- » Core of the plant
- » Raw material (ultra-pure scrap) is melted down into steel
- » Capacity: **60 tons**

### 2) Treatment furnaces:

- » Addition of high-quality alloys
- » Production of **particularly tough, temperature and corrosion-resistant** steel grades
- » Automated target-state analysis

### 3) Casting & solidifying:

- » Robots cast material into molds (= **ingot molds**)
- » Preparation for processing

### 4) Extraction & transport:

- » Extraction of the steel ingots from the ingot molds
- » Processing by voestalpine companies & external customers
- » Annual production capacity: ~ **205.000 tons** of special steel

## PRODUCTS & APPLICATIONS

Manufacture of high-performance steels as pre-material for the...



Aerospace industry



Automotive industry



Oil & gas industry