qontrinaps

Raw material management software for meltshops





reduce your OPEX and CO₂ emissions



qontrol maps is an advanced raw material optimization software designed to reduce your OPEX along the complete steelmaking value chain

- Are your suppliers delivering the correct raw materials?
- What are the current properties of your raw materials?
- What is the ideal furnace charge mix?
- What is the ideal alloying strategy from melting to casting?
- How should you arrange your production orders to reduce cost?
- What are the raw material requirements for the next campaign?
- How to deal with changing scrap availabilities and energy prices?
- How can you reduce overall costs and CO₂ emissions?

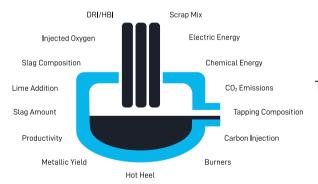
The best system on the market to ...

Our Software Modules

1 Material Characterization

This module automatically determines the scrap quality of each scrap on the scrap yard in real-time without the need for any additional sensors or physical equipment to be installed.

- Chemical Composition [wt.-%]
- Energy Consumption [kWh/t]
- Metallic Yield [%]





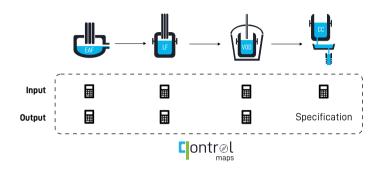
Charge Optimization

This module automatically determines the ideal charge mix for a melting furnace considering all relevant production parameters and cost drivers.

Tailored to your Requirements

Heat Optimization

This module automatically determines the ideal charge and alloying strategy along the complete steelmaking route from melting to casting.

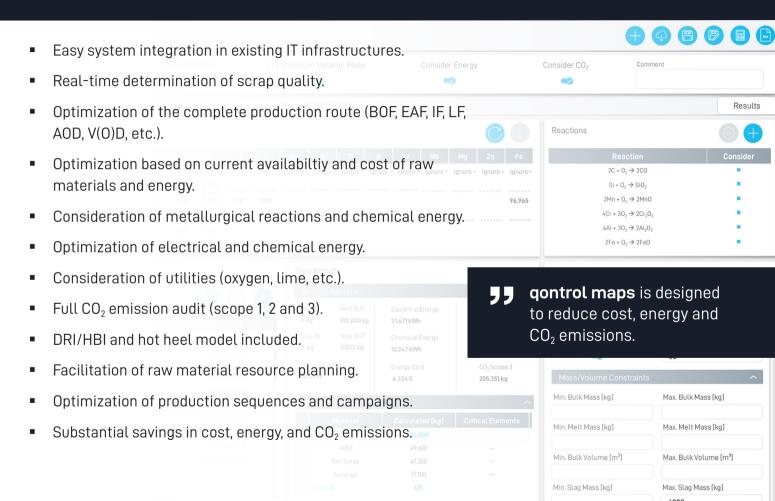




Campaign Optimization

This module automatically optimizes entire production campaigns (consisting of a sequence of multiple heats) based on variable energy prices, raw material availabilities, and other parameters.

System Highlights



Concept

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