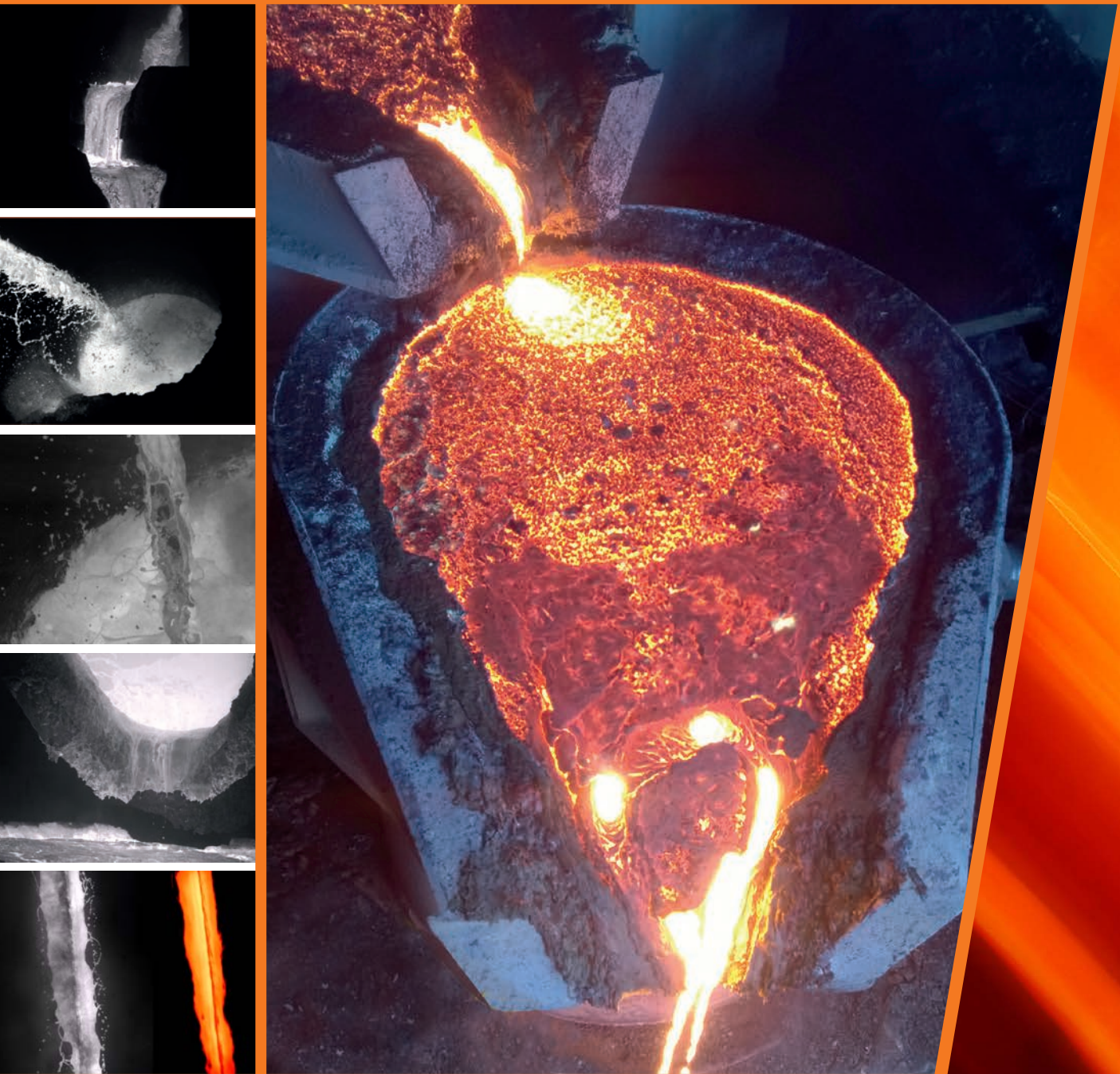


RevealTAP

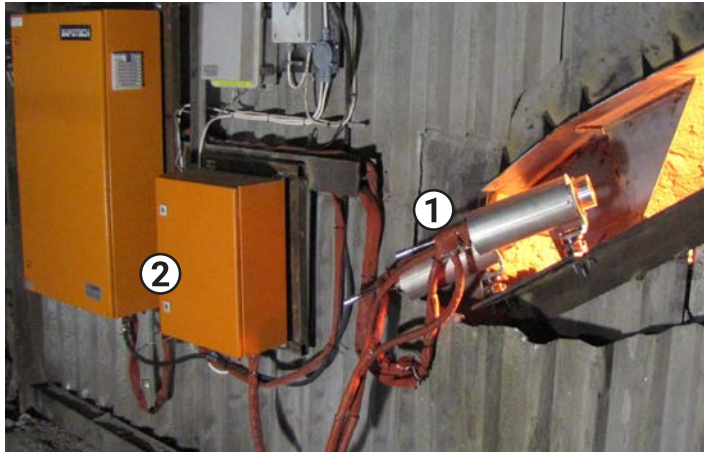
Molten Metal Monitoring



SAPOTECH

*See more.
Know more.
Benefit more.*

WHAT IS **Reveal TAP**?



① Imaging units

② Control cabinets

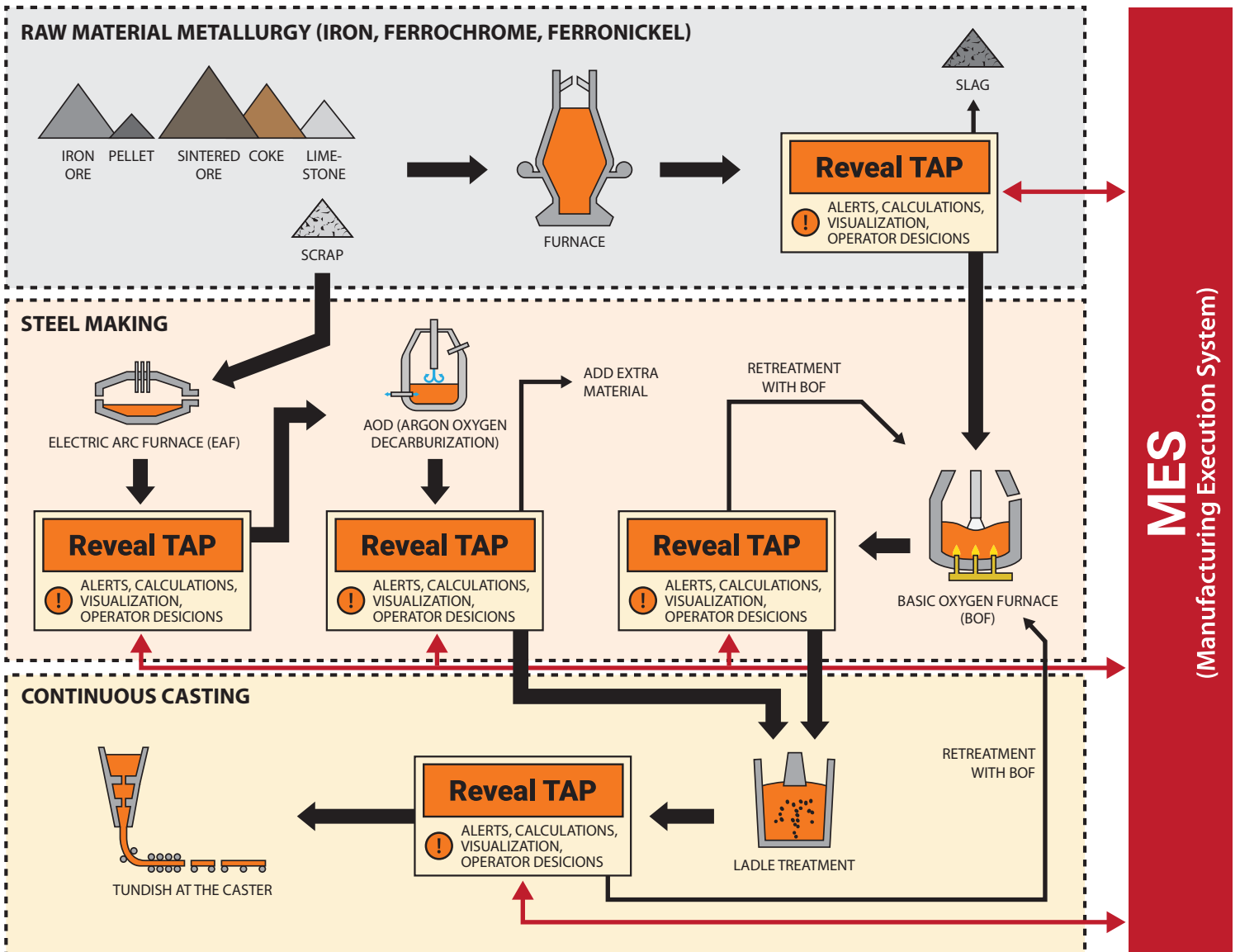
Reveal TAP is the complete solution for monitoring, documenting and analysing processes involving molten metals. Its hardware consists of different sensors and imaging technologies combined, such as high speed monochrome, infrared and spectral sensors. Our software combines data from all sensors, performs algorithmic process analysis and provides real time numeric and visual feedback to the operators to solve their specific challenges.

Reveal TAP solution can be flexibly customized to specific issues such as:

- Monitoring of tapping, de-slagging, gas flow purging, material feeding, foaming
- Installation at electric arc furnaces, converters, ladles, ladle stations, skimming stations

Everything is visualized in real time and in extreme detail

Efficient metallurgical process with Reveal TAP



Reveal TAP FEATURES

- Automatic flow monitoring and quality indexing
- Accurate imaging and measurement of molten metal processes
- Real time visualization for the operators
- Detailed tracking and documentation of hot metal processes
- Metal and slag detection for bottom and nose tapping
- Integration to MES
- Extremely easy-to-use web browser interface
- Flow video storage for offline analysis
- Reporting and search tools
- Analysis of potential process deviations

- ① List of tappings
- ② Monochrome camera view
- ③ Thermal camera view
- ④ Online follow-up of flow with alerts
- ⑤ Video export
- ⑥ Video controls
- ⑦ Zoom and speed control



Reveal TAP APPLICATIONS

- Molten metal (e.g. steel, nickel, copper, ferrochrome) tapping
- Electric Arc Furnace (EAF)
- Basic Oxygen Furnace (BOF)
- Argon Oxygen Decarburization (AOD)
- Ladle treatment
- Tundish

Reveal TAP BENEFITS

- Monitoring in real time and in extreme detail
- Immediate feedback to the operator about process quality
- Early detection of possible problems (slag/dust/metal...)
- Continuous and systematic process control
- Enables objective inspection and analysis
- Systematic documentation for tracking and process improvement
- Improves work safety



**Fast & Easy
to install**



**High quality imaging
(monochrome / IR / spectral)**



User friendly



**Easy decision
making**

SAPOTECH

Based in Finland, Sapotech offers breakthrough solutions for online monitoring and quality assessment of all processes in the metal industry. Within a very short time, and with all the benefits of industrial internet, customized solutions can be supplied according to our customers' specific needs.

Our technology is widely used in the steel, aluminum, ferrochromium, nickel and copper industries. We also deal with monitoring of metal flows and inspection of refractories at high temperatures. All our solutions are designed to be compact, easy to maintain and to fulfill specific process requirements cost-efficiently and with a short payback time.

ONE PLATFORM - MULTIPLE PRODUCTS - COUNTLESS SOLUTIONS

CONTACT

Phone: +358 45 866 2221

Email: sales@sapotech.fi

www.sapotech.fi