



SMARTEC



SMART COOLING
ELECTRODE SYSTEM

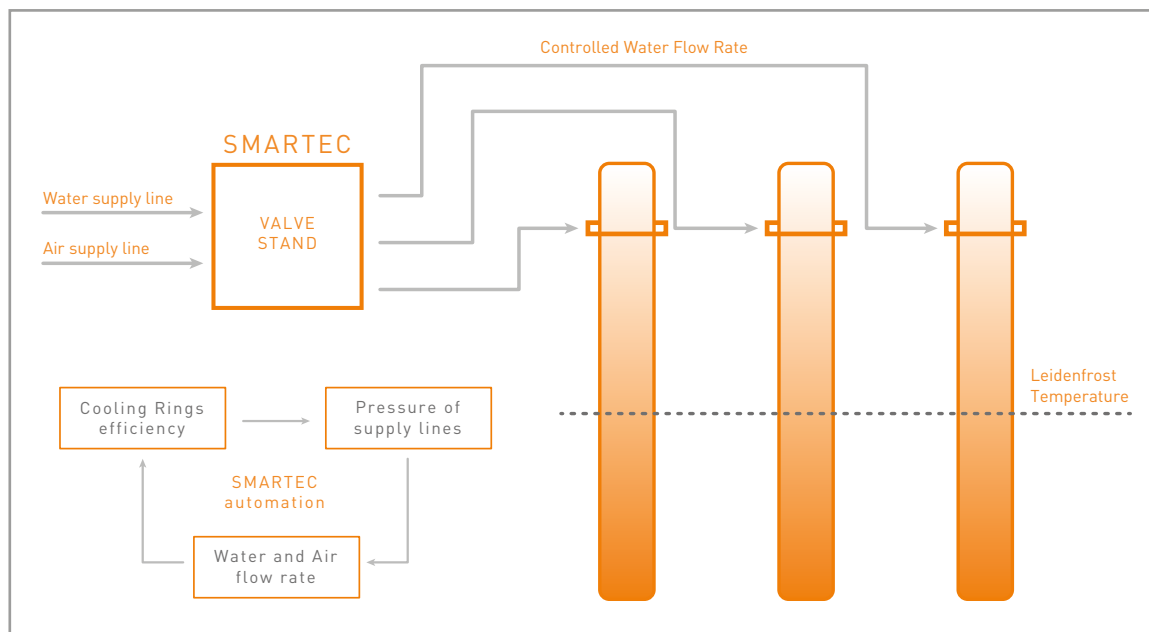
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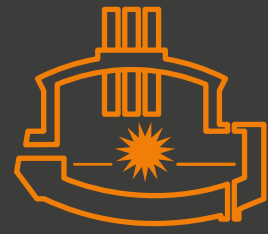
SMART COOLING ELECTRODE SYSTEM

The **SMARTEC** is an advanced cooling electrode system to regulate air/water flow through the electrode cooling rings dynamically. It consists of a valve stand and a set of optimized electrode cooling rings controlled by a dedicated proprietary automation software.

This dynamic control during every melting phase, significantly increases the efficiency and effectiveness of electrode cooling compared to the standard practice to use a fixed amount of cooling water; therefore, reduction of electrode and electrical energy consumption, without affecting the arc stability, can be achieved.

- Dynamic adjustment of the water cooling flow according to the requirements of the melting profile.
- Increased availability of the cooling rings due to a design that prevents clogging and deformation.
- Electrode-consumption reduction up to 15%.
- Reduction of OPEX.



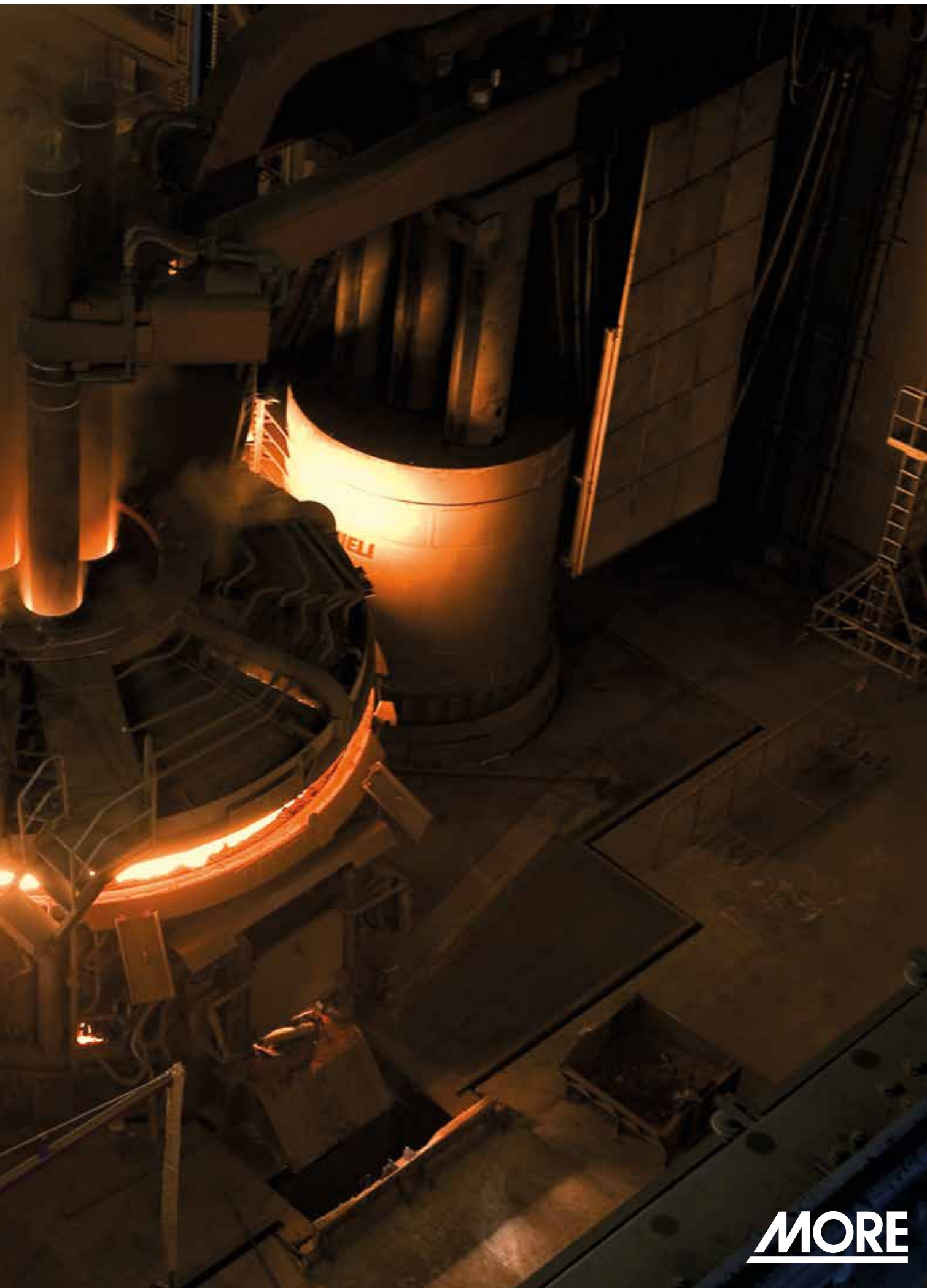


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MORE S.r.l 33013 Gemona del Friuli (UD) Italy
T +39 0432 973511 **F** +39 0432 970676
Email: info@more-oxy.com www.more-oxy.com