

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
203108-2016-AE-GER-DAkKS

Initial certification date:
22. December 2016

Valid:
22. December 2016 - 21. December 2019

This is to certify that the management system of



INTOCAST AG

Pempelfurtstr. 1, 40880 Ratingen, Germany

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Energy Management System standard:

ISO 50001:2011

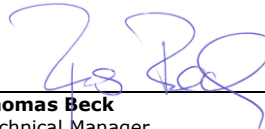
This certificate is valid for the following scope:

Development, production and sale of refractory products and casting auxiliaries

Place and date:
Essen, 22. December 2016



For the issuing office:
DNV GL - Business Assurance
Schnieringshof 14, 45329 Essen, Germany


Thomas Beck
Technical Manager

Certificate No: 203108-2016-AE-GER-DAkks
Place and date: Essen, 22. December 2016

Appendix to Certificate

INTOCAST AG

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
INTOCAST AG	Pempelfurtstr. 1, 40880 Ratingen, Germany	Development, production and sale of refractory products and casting auxiliaries
INTOCAST AG	Kaiserwerther Str. 86-88, 40880 Ratingen, Germany	Production of refractory products
INTOCAST AG	Westpreußenstraße 30, 47809 Krefeld, Germany	Development and production of casting auxiliaries
INTOCAST AG	Am Nordhafen 24-28, 47119 Duisburg, Germany	Production of refractory products
Mapeko Feuer GmbH & Co. KG 203108CC1-2016-AE-GER-DAkks	Dierdorfer Str. 500, 56566 Neuwied, Germany	Planning mechanical engineering, construction and manufacturing of industrial heaters
Mineralmahlwerk Rhein Ruhr GmbH 203108CC2-2016-AE-GER-DAkks	Am Nordhafen 24-28, 47119 Duisburg, Germany	Preparation and logistics of mineral raw materials, recycling materials and alloys
FTS Feuerfestprodukte GmbH	Kirchheimer Str. 9, 53902 Bad Münstereifel, Germany	Distribution and storage of refractory products and casting auxiliaries
Arloffer Thonwerke GmbH	Kirchheimer Str. 9, 53902 Bad Münstereifel, Germany	Internal Building Management