

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
156391-2014-HSO-GER-DAkKS

Initial certification date:
21. October 2013

Valid:
28. June 2018 - 27. June 2021

This is to certify that the management system of



MAN Energy Solutions SE

Stadtbachstraße 1, 86153 Augsburg, Germany

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

ISO 50001:2011

This certificate is valid for the following scope:

Casting of nodular and grey cast iron components.


The scope of the system includes all processes and assets under the company's control at the certified site.

Place and date:
Essen, 27. June 2018



Deutsche
Akkreditierungsstelle
D-ZM-18453-01-00

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


Thomas Beck
Technical Manager

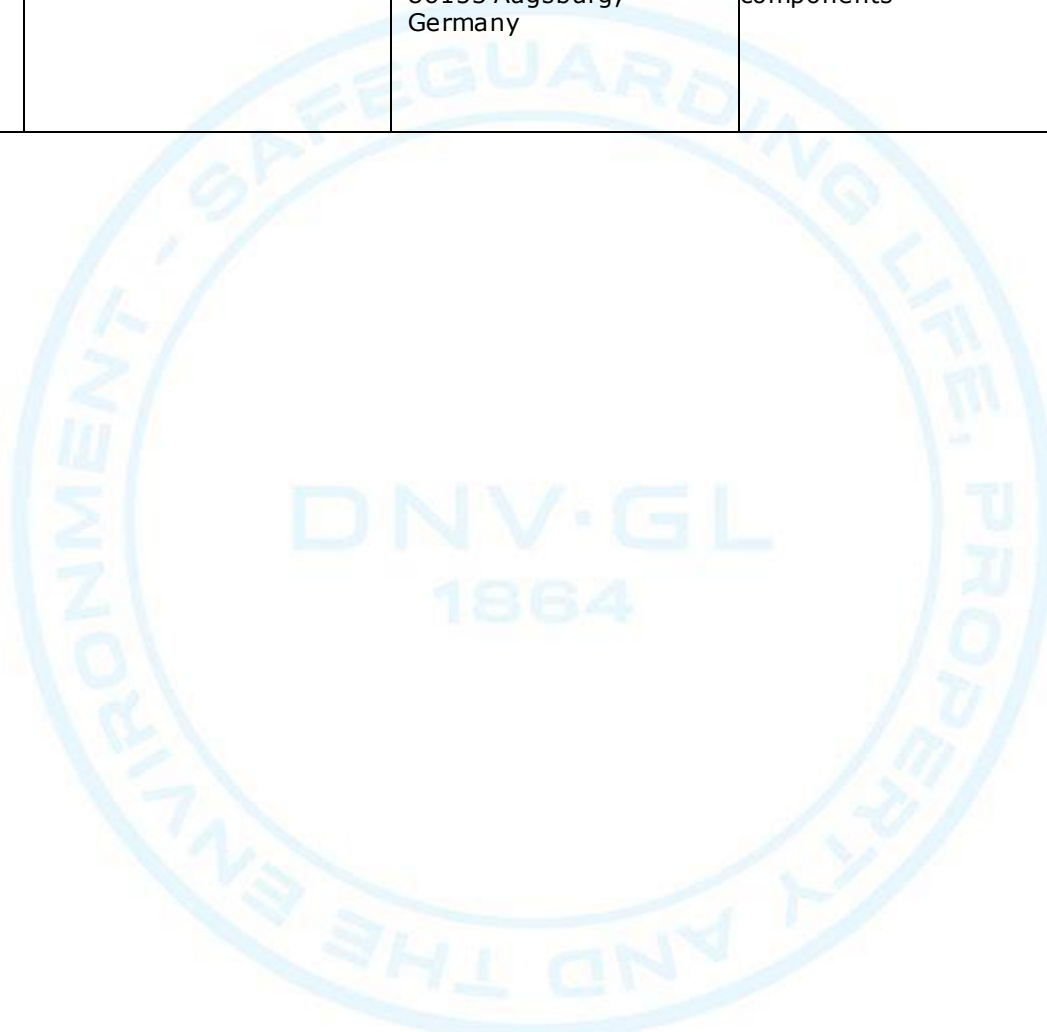
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Appendix 1 to Certificate

MAN Energy Solutions SE

Locations included in the certification are as follows:

Ser.no.	Site Name	Address	Site Scope
1	MAN Energy Solutions SE	Stadtbachstr. 1, 86153 Augsburg, Germany	Casting of nodular and grey cast iron components



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Appendix 2 to Certificate: energy consumption and delivery points without Employees

Energy consumption and delivery points without Employees included in the certification:

Identification of energy consumption and delivery points without Employees:		
affiliated site ser. no. according to Appendix 1 to Certificate	consumption and delivery point ser. no	Address
1 Schmelzbetrieb	1 Strom, Energiebericht 2014, Sankey	MAN Energy Solutions SE Gießerei (PEPAF), Stadtbachstr. 1 86153 Augsburg
1 Schmelzbetrieb	1 Erdgas, Energiebericht 2014, Sankey	MAN Energy Solutions SE Gießerei (PEPAF), Stadtbachstr. 1 86153 Augsburg
1 Kernmacherei	1 Erdgas, Energiebericht 2014, Sankey	MAN Energy Solutions SE Gießerei (PEPAF), Stadtbachstr. 1 86153 Augsburg