

Certificate

FS Engineer (TÜV Rheinland)

Safety Instrumented Systems

ID-No.

6427 /13

Certificate Owner

Gerard Hennessy

Ireland

Course Provider

ABB Group Ltd.

Training Contents

Process Safety Risk / Layers of Protection
International Safety Standards, Regulations, Enforcement
Safety Integrity Level (SIL) Assignment Methodologies
Safety Requirement Specifications (SRS) Development
Safety Integrity Level (SIL) Verification Methodologies
Management of Functional Safety
SIS Design and Good Engineering Practices

Issue Date

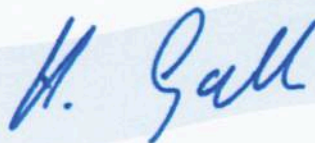
February 2013

Expiry Date

February 2018

Validity

This certificate is valid for 5 years.



Cologne, February 2013

Dipl.-Ing. Heinz Gall

TÜV Rheinland
Industrie Service GmbH
Automation and Functional Safety
Am Grauen Stein
51105 Cologne - Germany

Head of TÜV Rheinland Functional Safety Program