

## IEC 61508:2010 Certified



## CANTATA

Cantata has been classified as a class Tool, usable in the development of safety related software, up to SIL 4, as defined by the **IEC 61508** standard



Cantata has been certified by **SGS -TÜV Saar GmbH**, an independent third party certification body for functional safety, accredited by Deutsche Akkreditierungsstelle GmbH (DAKKS).

### OUR CUSTOMERS INCLUDE:

**SIEMENS**

**Canon**

**Schneider Electric**



# Sector Brief: Industrial Automation

In this sector brief we highlight:

- › The IEC 61508 software standard's requirements
- › How Cantata supports project certification

## IEC 61508

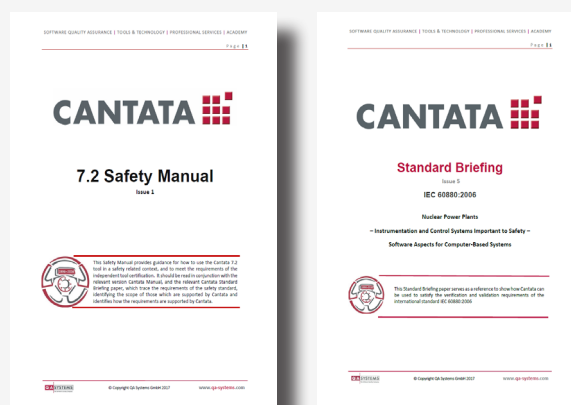
IEC 61508 (*Functional Safety of Electrical / Electronic / Programmable Electronic Safety-related systems*) is a basic functional safety standard applicable to all kinds of industry.

### Standard Requirements

Cantata's functionality specifically addresses the following sections of the IEC 61508 standard:

- › Part 3: Software requirements
- › Section 6: Additional requirements for management of safety-related software
- › Section 7: Software safety life cycle requirements
- › Annex A: (normative) Guide to the selection of techniques and measures
- › Annex B: (informative) Detailed tables

## Cantata Tool Certification Kit



- › The **Safety Manual** provides guidance on using Cantata in a safety-related context and on meeting independent tool certification requirements.
- › The **Standard Briefing** document provides a line-by-line, paragraph-by-paragraph tracing of IEC 61508's requirements, identifying how each requirement is supported by Cantata.