

SIL Approval for Habonim Main Products

We are pleased to announce that Habonim recently received SIL certification issued by SIRA for standards; IEC 61508-1-1:1998 (clause 6) and IEC 61508-2:2000. The certification covers Habonim's automated packages intended to work in a SIL2/SIL3 system to fulfill mandatory demand for emergency shutdown – ESD – applications



What is SIL

The current **S**afety **I**ntegrity **L**evel (SIL) international safety standard provides suppliers and users with a common framework on which to design products and systems for safety related applications. The standard also provides a more scientific, numerical approach to specifying and designing safety systems, enabling the nature of the risk to be quantified.

SIL means risk reduction to a tolerable level. The required safety level of a process plant is classified in accordance with the international IEC 61511 standard and depends on the risk constituted by a plant.

The IEC 61508 standard describes the requirements of electrical, electronic and programmable electronic devices used in such plants.

It relates to the functional safety of products or systems whose failure to operate reliably could harm people. SILs are used in both ANSI/ISA-S84.01 and IEC 61508 to measure the reliability of a system. Both ISA and IEC have agreed that there are three categories: SILs1, 2 and 3. IEC also includes an additional level, SIL 4, which ISA does not. The higher the SIL is, the more reliable or effective the system is.

SIL	Probability of safe failure
1	90%
2	99%
3	99.9%
4	99.99%

Although SIL relates to automated packages only, components (valves, mounting kits and actuators) had to be analyzed separately, as packages could contain valves or actuators of other manufactures.

Selling valves for a SIL system is an immense responsibility and commitment. All requests for SIL require a thorough and comprehensive review of Habonim engineering team.

For additional information, contact:

For Dinah Kagan

Dinah@habonim.com

Tel:+ 972-4-6914733

Or anyone on the Habonim team

