Kinetrol's SIL 3 Quarter-Turn Spring Fail-Safe & Double Acting Actuator Functional Safety Certificate Sira FSP 11008

Kinetrol engaged Sira Test & Certification Ltd to conduct a functional safety assessment in accordance with the requirements of the latest and more demanding 2010 edition of IEC 61508.

Sira is not a self-appointed body but is accredited by the United Kingdom Accreditation Service (UKAS) to carry out functional safety assessments using the Conformity Assessment of Safety-related Systems (CASS) methodology.

The CASS scheme provides an internationally accepted structure which is operated by independent third-party certification bodies that are accredited to the European and international accreditation standards.

UKAS is the sole national accreditation body recognised by government to assess, against internationally agreed standards, organisations that provide functional safety certification services. Accreditation by UKAS demonstrates the competence impartiality and performance of these evaluators.

Sira's Functional Safety Certificate, attached, assesses not only Kinetrol's actuation products (random risk capability) but also its process management (systematic risk capability) at **Safety Integrity Level 3** (the highest level achievable for an individual actuator). Almost all of the Kinetrol spring fail-safe actuators are compatible with use in SIL 3 safety systems **without** the use of a partial-stroke device. All of the Kinetrol double acting actuators are compatible with use in SIL 3 safety systems **with** the use of a partial-stroke device.

According to the requirements of IEC 61508:2010 the certificate is an all encompassing document in that it contains complete information, together with supporting data and conditions of safe use statements, on the following:

Failures in time
Safe failure fractions
Hardware fault tolerance
Probability of failure on demand
Safety integrity level.