

Overview

Corporate Profile



KENEXIS

Kenexis is an independent engineering consulting firm. We ensure the integrity of instrumented safeguards and industrial networks. Using skills in risk analysis, reliability engineering, and process engineering, we help establish the design and maintenance specification of instrumented safeguards, such as safety instrumented systems (SIS), alarm systems, fire and gas systems. We use the same skills for industrial control systems (ICS) network design, cyber security assessments, and industrial network performance analysis.

We participate, teach and utilize industry standards and best practices. These include ISA 84/IEC 61511 Safety Instrumented Systems (SIS) used in the Fire and Gas Systems Industry, ISA/IEC-62443 (formerly ISA-99) Industrial Automation and Control Systems Security, NIST Cyber Security Framework, and NERC CIP Critical Infrastructure Protection.

SERVICES

We provide a range of services that are geared toward identifying the risks posed by process plants and manufacturing facilities and then assisting in the implementation of technical safeguards to mitigate those risks.

Kenexis services fall into four main categories:



**SAFETY
INSTRUMENTED
SYSTEMS**



**PHA
LOPA
QRA**



**FIRE &
GAS
MAPPING**



**SCADA
SECURITY
& RELIABILITY**

Our services help our clients to comply with appropriate regulations and standards, and benchmark their performance and processes against industry best practices. These services allow our clients to have best in class safety and reliability while investing resources that are in line with industry norms.

LIFECYCLE APPROACH TO SAFETY AND SECURITY

Industrial operations create value by converting raw materials into valuable products using technology that can include high temperatures, high pressures, and flammable and toxic materials. In order to maintain a business that is not only profitable, but also provides a safe work environment and is a good neighbor, these hazards must be effectively managed. Kenexis employs a risk management framework and process safety lifecycle that systematically identifies and effectively manages hazards.

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Our lifecycle approach starts at conceptual process design and continues all the way through plant startup and ongoing change management. This approach evaluates all risks posed by the process and all means of safeguarding in a systematic and holistic way, allowing selection of the most appropriate safeguards.

KENEXIS SOFTWARE

The services that Kenexis provides depend on best-in-class methods and procedures supported by consistent and proven software tools and data sets. Having a comprehensive software tool to facilitate our consultant's efforts is an essential part of our quality program and helps us to be extremely efficient and responsive to our customer's needs.

- Vertigo - SIS Management Software
- Effigy - Fire & Gas Mapping Software
- Dulcet - ICS Network Analysis Software

About Kenexis

Kenexis is an independent engineering consulting firm headquartered in Columbus, Ohio, with offices in Houston, Singapore, and Dubai. Kenexis was established in 2004, and is a privately held. Kenexis clients span the globe in many industries. Kenexis has performed engineering services for over 500 different major process industry customers in locations spanning over 20 countries.



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