

FGS Engineering Services

Fire and Gas

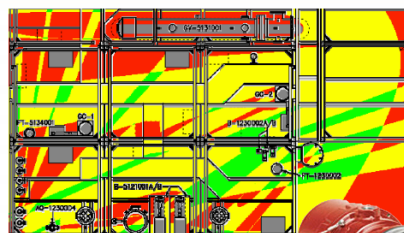
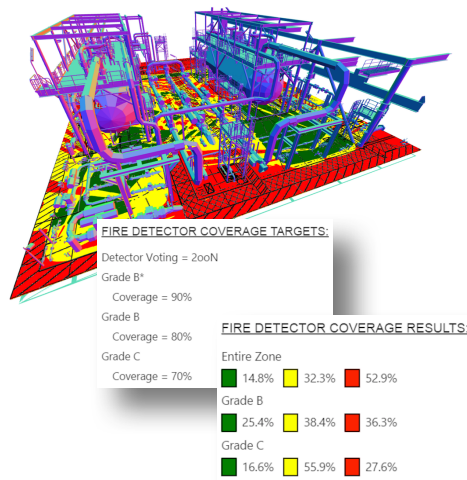


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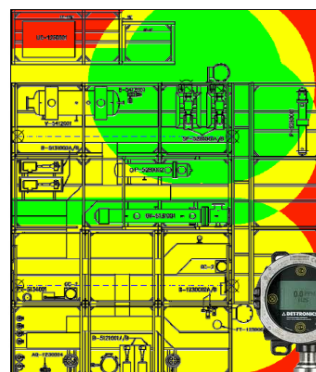
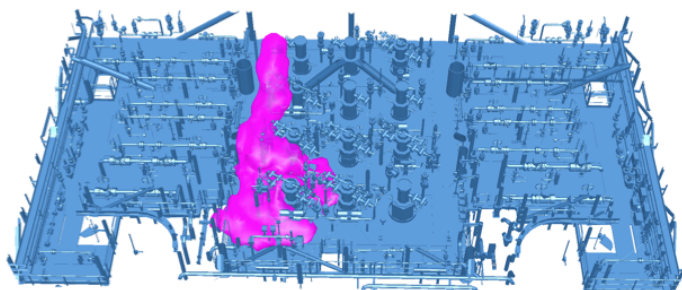
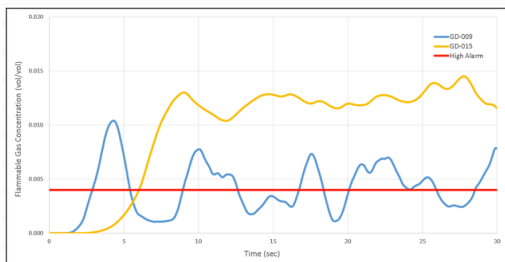
Sophisticated Performance-Based Design Techniques for Best-in-Class Systems

Fire and Gas systems (FGS) are an important tool for safeguarding process plants and production facilities that handle flammable and toxic materials. In order to make an FGS an effective tool, a systematic risk-based approach should be used to make key design decisions such as the quantity and placement of detectors. Kenexis helps our clients to design effective systems that minimize life-cycle cost by developing detector layouts and verifying system design targets are achieved.

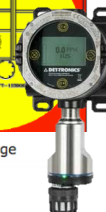
Our skill and unparalleled tool set allows us to start with a comprehensive and systematic review of all equipment to identify hazard points, moves through risk-based determination of sensor quantity and placement using sophisticated dispersion models and quantitative risk analysis tools, continues through specification of sensor and signaling systems, and results in a validated system, including ongoing maintenance and testing programs.



Geographic Fire Detector Coverage
70% Coverage



Geographic Gas Detector Coverage
85% Coverage



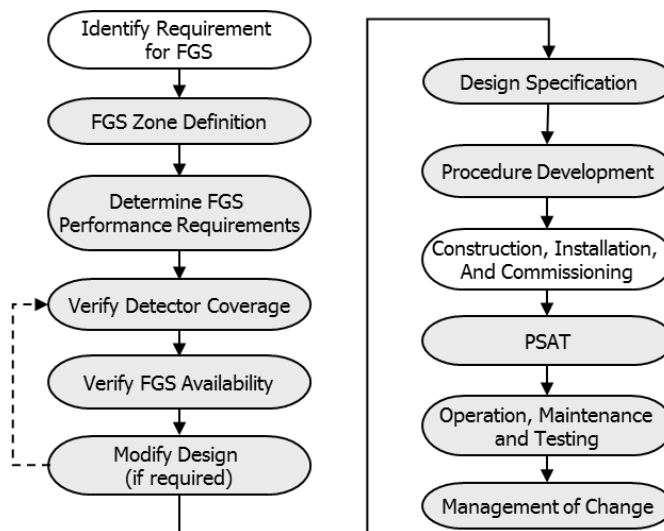
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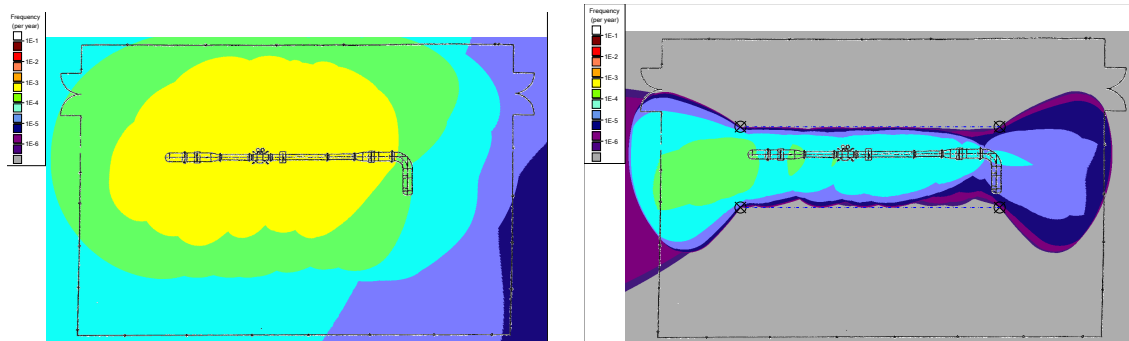
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The Kenexis FGS Solution™ helps to ensure the appropriate design and ongoing integrity of fire and gas systems by employing performance based design



Kenexis Fire and Gas Design Basis

services include assistance in all phases of the FGS implementation lifecycle. These services are based around our unparalleled expertise in not only fire and gas system design, but process knowledge, and overall risk analysis capabilities. This expertise is then deployed using best-in-class tools such as the Effigy™ fire and gas system computer aided design tool. This combination provides the most rigorous analysis which results in the safest plant while also resulting in the lowest cost.



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.