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Press Release

DEKRA presents Dynamic Risk Register for process industries

Enhance plant safety with advanced methods

DEKRA offers plant operators in process industries a digital solution that enables them to monitor plant safety more effectively. Using the Dynamic Risk Register, operators can update the results of their hazard analyses, creating transparency and in turn enhancing the safety of the entire system.

The process hazard analysis (PHA) methods used in process manufacturing, such as HAZOP and LOPA, have one disadvantage. They generate large volumes of static data that are not very well-structured, which makes processing and updating them difficult and time-consuming. Many process industry accidents are attributable to day-to-day operational events in the plant that deviate from the original hazard analyses, either as the result of modifications to equipment or the temporary deactivation of safety systems.

DEKRA's new Dynamic Risk Register tool is integrated into the tried-and-tested DEKRA Safety Platform with an interface that enables users to view and process PHA data. It produces statistical calculations and benchmarks, provides information about a system's current safety level, and displays the results in easy-to-understand charts and graphics.

Based on Digital Process Hazard Analysis

The Dynamic Risk Register can also interface with DEKRA's Digital Process Hazard Analysis (DPHA), which combines the DEKRA experts' specialist knowledge of process and plant safety with the advantages of computer technology and artificial intelligence. The system, which is also integrated into the DEKRA Safety Platform, optimizes resources dedicated to PHAs, while delivering more consistent and accurate results.

www.dekra.com/dynamic-risk-register

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Contact Tilman Vögele-Ebering
Phone +49.711.7861-2122
Fax +49.711.7861-742122
E-Mail tilman.voegele-ebering@dekra.com

DEKRA e.V.
Corporate Communications
Handwerkstraße 15
70565 Stuttgart, Germany
www.dekra.com/en/press-overview

About DEKRA

DEKRA was originally founded in 1925 to ensure road safety through vehicle inspection. With a much wider scope today, DEKRA is the world's largest independent non-listed expert organization in the testing, inspection, and certification sector. As a global provider of comprehensive services and solutions, we help our customers improve their safety, security, and sustainability outcomes. In 2022, DEKRA generated sales totaling nearly EUR 3.8 billion. The company currently employs almost 49,000 people who offer qualified and independent expert services in approximately 60 countries on five continents. With a platinum rating from EcoVadis, DEKRA is now in the top one percent of sustainable businesses ranked in the top one percent of sustainable businesses ranked.