Introduction
Accidental release of a flammable or toxic fluid is a key risk driver at many process facilities. FLACS-Frequency provides insight into how often and where such releases are likely to occur. FLACS-Frequency combines information on your process facility with historical data on equipment failure to produce detailed leak/release frequency estimates.

FLACS-Frequency calculates release frequency for equipment (flanges, valves, instruments, storage tanks, etc.) at both onshore and offshore process facilities.

FLACS-Frequency is a user-friendly tool. No prior knowledge of release frequency calculation is necessary, and the required input can be retrieved from your facility operations data.

Key Benefits
FLACS-Frequency makes release frequency easy. Simply enter your process system and equipment data, choose a release frequency model, and your results are immediately available. A 3D model of your process system can also be accommodated and used to visually highlight high-risk areas. Results are visualized as tables, 2D charts and in the 3D model.

Release frequency estimates are based on the frequency model of your choice. Industry-standard models based on UK HSE HCRD (Health & Safety Executive Hydrocarbon Release Database) and Norway RNNP (Risikonivå i norsk petroleumsvirksomhet/ Trends in Risk Level Norwegian Petroleum Activity) databases are provided in the tool, and an option for user-defined models is available.

FLACS-Frequency is a web-based tool which lets your team seamlessly collaborate on entering data, setting up analyses, and sharing results.

FLACS-Frequency is ready to be deployed on your local server or cloud solution. Your data stays on your internal systems and is not shared with Gexcon.

Key Features
- An intuitive way to enter, store and access relevant process and equipment data.
- Option to define and use your own equipment types.
- Release frequency calculation based on industry-standard release frequency models.
- Option to define and use your own release frequency models.
- Option to accommodate a 3D geometry model of your facility to visualize high-risk areas.
- No 3D geometry model available? No problem. A 3D layout of your facility can be drawn in the tool.
- Visualize results in tables, 2D charts and in the 3D model.
- Organize your work into projects and cases.
- Lets you quickly set up and run sensitivity cases for changes at your facility.
- Allows multiple users to simultaneously access and collaborate on projects.
- Allows for central software management and data storage.
FLACS-Frequency Previews

A visualization of a process facility in 3D model

Process system input

Release frequency results displayed in charts

Detailed view of process areas

About Gexcon
Gexcon is a world-leading company in the field of safety and risk management and advanced dispersion, explosion and fire modelling. Our experience arises from detailed knowledge of explosion phenomena built up throughout years of conducting extensive research projects, carrying out safety assessments, performing accident investigations, and performing physical testing at the company's facilities.

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Gexcon makes the world a safer place