

## CLIENT CASE STUDY

### “Salus Implementation & Evergreening”

- ✦ **Facility Type:** Refinery
- ✦ **Services Provided:** Relief Systems & Flare Design Documentation and Evergreening Services

### The Opportunity:

- ✦ A United States refinery with an approximate capacity of 400,000 barrels per day had their relief systems design documentation in binders (hard copy files) and their Process Safety Information scattered across the facility. The site would spend a large sum of money annually on engineering contractors to find, update, or create new design documentation for relief systems and flare design. This piecemeal approach often resulted in outdated, inconsistent, and unusable data. Smith & Burgess was hired to streamline the process, avoid yearly expenses, and implement a cost-effective, easy-to-manage solution.

### Our Solution:

- ✦ Smith & Burgess conducted a site-wide relief systems and flare design documentation study, storing all relief design and associated Process Safety Information data in Salus. The data was organized on a unit-by-unit, system-based method, documenting system boundaries such as upstream relief devices, pumps, compressors, and control valves. An evergreen workflow was implemented to capture any changes from Management of Change, capital projects, or turnarounds, ensuring Salus always contained the most up-to-date documentation.

### The Results:

- ✦ Since implementing Salus and an evergreen workflow, the refinery has saved approximately \$1 million annually by no longer needing to update documentation from the ground up. In addition, accurate and accessible relief systems design data now supports crucial decision-making processes, such as rate increases and capital expenditures. Continuous compliance with corporate and government regulations is ensured, maintaining the refinery’s Voluntary Protection Program (VPP) status. Their centralized and continuously updated documentation has significantly improved operational efficiency and safety standards, providing the site-wide team with reliable and readily accessible information, and by leveraging Salus, Smith & Burgess provided the refinery with a sustainable and scalable solution addressing current needs and preparing the facility for future growth and regulatory changes.

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