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A MILP approach for Optimal Storage Vessels Layout based on the Quantitative Risk Analysis Methodology

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Highlights

- A MILP approach to find an optimal layout for storage vessels.
- Minimization of the probability of damage and domino effect due to fire and explosion scenarios.
- Quantitative risk analysis applied to storage vessels layout.
- The approach has been successfully applied to a chemical processes plant, and it could be used to solve real-world problems.

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