



PROCESS & CHEMICAL ENGINEERING

Lauren's process engineering method is a proven success—providing the clarity and detail necessary to lead the project and project team, from initial concept to maturity and completion.

This may involve leading conceptual studies and evaluations of alternative options, to define the SOW summarized in documents such as a DBM, PFD, and HMB. These provide the basis for detailed engineering as summarized in P&IDs and LDT. Our best-in-class process engineering provides the client with the best value for engineering services. This ensures that the facility design is safe and operable (HAZOP/PHA/ LOPA), designed to the highest industry standards, and is code and regulatory compliant at the most reasonable possible cost. This same standard of excellence is delivered to existing facilities that require modifications or upgrades due to changes in design basis, unforeseen events, or goals, to optimize performance and netback with the latest in process design configuration and/or equipment selection.



SUPPORTING SERVICES

- Process flow diagrams (PFD)
- Heat and material balances (HMB)
- Process design simulation
- P&ID development
- Line designation table (LDT)
- Unit operation and control strategy philosophy
- Permit supporting/application
- HAZOP/PHA/LOPA
- Equipment specifications
- Debottlenecking and optimization studies
- Transient analysis
- Depressurizing studies
- Flare and blowdown studies
- Process conceptual and technical studies
- Fractionation and product recovery



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LAUREN
Engineering & Project Delivery