

## Professional Engineering & Chemistry Regulatory Permits

- The Association of Professional Engineers & Geoscientists of Alberta, APEGA
- The Association of Professional Engineers & Geoscientists of Saskatchewan, APEGS
- Engineers & Geoscientists of British Columbia, EGBC

## Delta Teams' Membership

- Project Management Institute, PMA
- APEGA, APEGS, EGBC
- Society of Petroleum Engineering, SPE
- Gas Processing Association of Canada, GPAC
- Canadian Heavy Oil Association, CHOA
- Association of Chemical Profession of Alberta, ACPA

## Corporate Membership

- Saskatchewan Trade & Export partnership, STEP
- Saskatchewan Industrial & Mining Supplier Association, SIMSA
- Canadian Business Council Abu Dhabi
- Regina & District Chamber of Commerce



DELTA LCDesign® Technology ISO-Verified



Delta CleanTech Inc. is widely recognized as an engineering service provider for pre-/post-combustion carbon capture technology. Delta provides a variety of engineering services and studies such as designing, evaluating, optimization, revamping, and troubleshooting.

Delta also provides consulting services, which add significant value in the field of reducing greenhouse gas emissions to various sectors such as oil and gas, power generation, chemical manufacturing, cement manufacturing, and other industrial sectors.

Delta's professional engineering, chemistry, & project management teams are trained and skilled in executing small and large carbon capture projects of all sizes.

## Delta's Vision

Delta strives to be the leading technology provider around the world for CO<sub>2</sub> Capture. Delta's goal is to deliver practical solutions to reduce greenhouse gas emissions, CO<sub>2</sub> utilization, and help solve the challenges of energy security and transition.



## ENGINEERING SERVICES & STUDIES



#002 2305 Victoria Avenue  
Regina, SK. Canada S4P 0S7

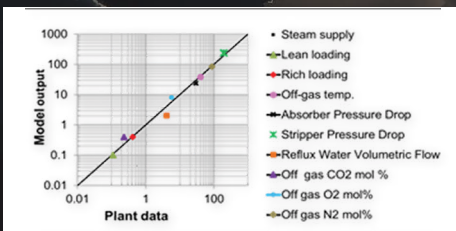
Tel: 306.352.6132

## Delta-Engineering Studies/Projects schedule

- Planning Study- + 60/-50%
- Business Assessment- + 55/-50%
- Conceptual Study- + 50/-50%
- Feasibility Study- + 50/-40%
- Pre-FEED Study- + 40/-30%
- Mini-FEED Study- + 30/-20%
- FEED Study- +/- 10% to +/- 20%
- Design & Build or Engineering, Build and Construction (EPC Phase) Project

## Reference Process Improvement Example:

AES (130 Ton per day) CO<sub>2</sub> Capture Plant - Optimization Study, Maryland, USA (+ 25 Years in Operation)

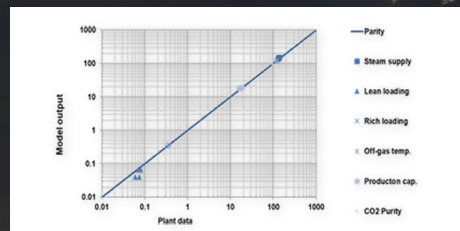


## Engineering Services

- Consulting services & supporting the client or Owner Engineer
  - Delta can work with the client and its preferred local and international EPC / fabrication companies.
- Performance & Operational Studies for existing plants:
  - Analysis & Optimization Study
  - Troubleshooting Study
  - Evaluation Study
  - Economic Analysis Study
  - Workshops & Training

## Reference Process Improvement Example:

SVM (800 Ton per day) CO<sub>2</sub> Capture Optimization Study, California, USA (+ 45 years in operation)



## In-House & Commercial Engineering Tools

- Delta PDOEngine® Design Carbon Capture System
- Delta CostEngine™ - Cost Prediction and Analysis
- DeltaPM™ - Project Management
- CHEMCAD® – Chemstations
- ProMax® - Bryan Research & Engineering
- ProTreat® - Optimized Gas Treating
- AspenOne® Suite – AspenTech
  - ✓ Aspen Hysys®
  - ✓ Aspen Plus®
  - ✓ Aspen Capital Cost Estimator™
  - ✓ Aspen Process Economic Analyzer™
  - ✓ Aspen Properties®
  - ✓ Aspen Adsorption®
  - ✓ Aspen EDR™
  - ✓ Aspen Basic Engineering™
- AutoCAD® - Autodesk
- MS Visio® - Microsoft
- MATLAB® - MathWorks
- Fortran