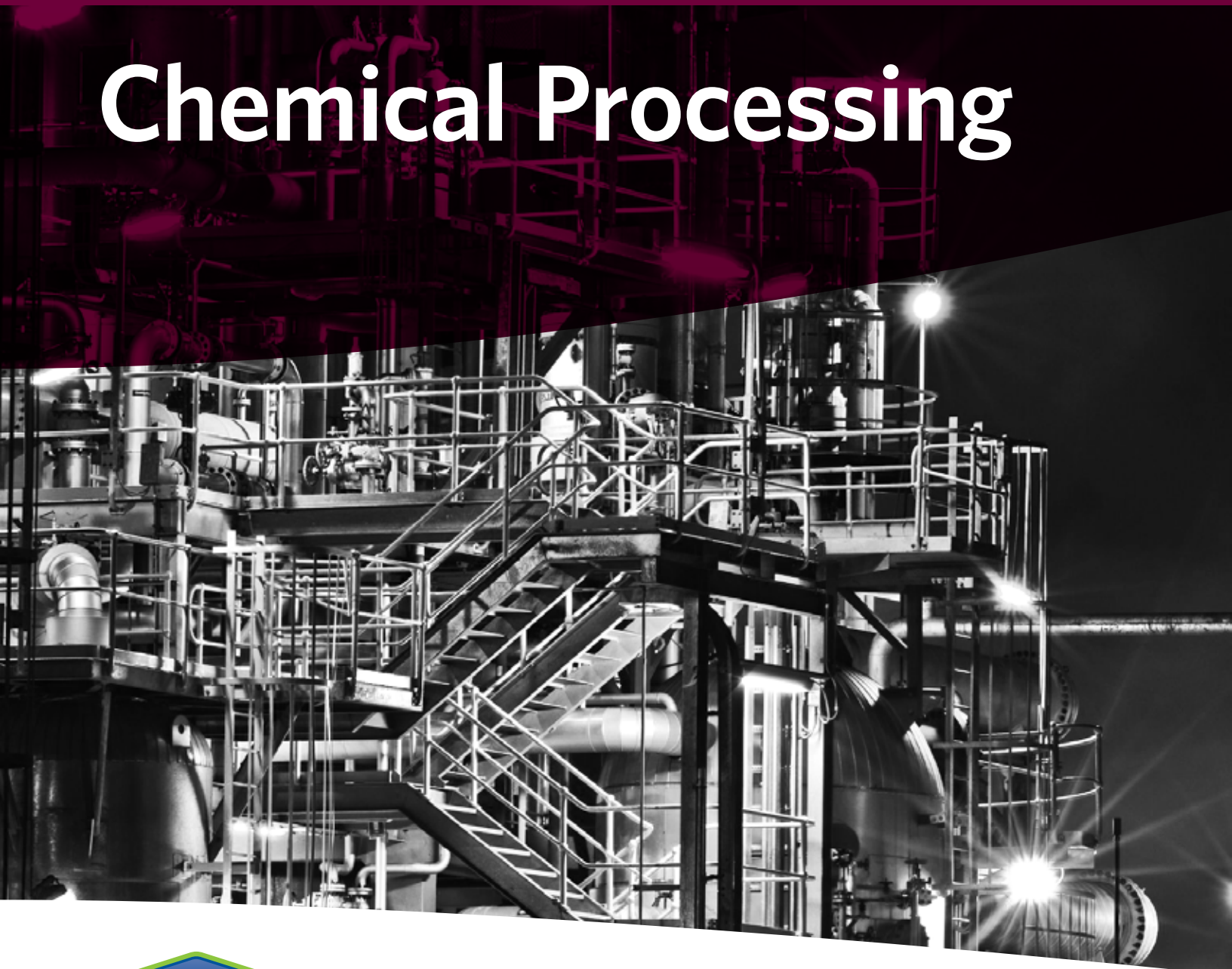


Chemical Processing



EMPOWERING EPCM

TWD specializes in the development, implementation, optimization and upgrading of chemical & biochemical plants.



TWD specializes in the development, implementation, optimization and upgrading of chemical and biochemical plants for the production of a full range of industrial and household uses. Products from these plants are used in the pharmaceutical, food and beverage, and manufacturing industries.

Our project capabilities range from small plant upgrades to large grass roots facilities. TWD also provides optimization services to assist our clients with optimization of current operating assets.



Our project capabilities range from small plant upgrades to large grass roots facilities.

Our clients include organic and inorganic chemical producers and distributors and our experience includes the following:

PROCESS DEVELOPMENT AND OPTIMIZATION

- batch processes
- continuous processes
- catalytic processes
- exothermic/endergonic

PROCESS SAFETY MANAGEMENT (PSM) AND RESPONSIBLE CARE

- compliance audits
- pre-start health and safety reviews (PSRs)
- process hazards analysis (PHAs, HAZOPs, FMEAs)

ENVIRONMENTAL UNITS INCLUDING:

- flue gas desulphurization (FGD)
- selective catalyst reduction (SCR)
- carbon dioxide removal (CO₂)
- NO_x reduction

BLENDING, TERMINALLING & TRANSFER

- blending systems (inline, batch, automated batch, tank)
- bulk loading and offloading facilities (truck, rail, marine)
- control and card lock systems
- dispensing systems
- material handling systems
- pigging systems
- piping systems
- tank gauging and inventory management systems
- tanks and silos



EMPOWERING EPCM

TWD Technologies is a leading management engineering consulting company providing project development, execution and specialty engineering services for the industrial world.

Our team is dedicated to providing clients with effective business and technical solutions through exceptional levels of service, innovation and flexibility.

It is our mission to be the team of choice that delivers technical business solutions in industry for front end project development, design engineering, optimization, and risk management.

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