

# Process Plants

*delivering Predictable Results*

WOOD GROUP





## Experience is the Difference

Wood Group brings vast process plants experience to your project. Our process engineers and project managers average more than 20 years in the process industry, with extensive knowledge of all project execution aspects of the refining, chemicals, petrochemicals, and polymers industries. Our quality designs are backed by a strong support team and the latest in project control and 3D design tools.

Our proven track record of providing solutions that minimize expenditures and optimize production contributes significantly to our high level of repeat business. Our focus on the front-end ensures your project is executed successfully, on schedule and on budget.

## Providing the Services You Need

Our project teams have hands-on engineering know how and experience to deliver success on your revamp or modernization from concept through startup. We also have extensive expertise in grassroots projects. We provide:

- Total project management
- Process design
- Feasibility studies
- Technology consulting and evaluation
- Cost estimates/scheduling
- FEED packages
- Engineering design
- Procurement services
- Construction management

- Inspection and expediting
- Automation and control
- In-Plant services
- Licensor support

## Professional Services Solutions

Wood Group's Professional Services Group provides clients with on-site engineering and professional support services. Managed by seasoned professionals, the group partners with client companies to provide a cost-effective means to satisfy fluctuating staffing demands. We provide engineers, designers, managers, administrative, project controls, and field service personnel. We maintain an extensive personnel database and automated tracking system to identify and place candidates.

## Adding Value Through Processes

Our project teams work closely with clients to establish effective plans, proper procedures, and Best Practices to assure cost effective, quality results. Our *PACESETTER*® project management system closely tracks progress through every stage and is flexible and scalable to any process. Our Stage Gate process allows us to effectively manage your project throughout its life cycle.

## Implementing Best Practices

Wood Group is experienced in all areas of Best Practices, including those recommended by the Construction Industry Institute (CII). These Best Practices are designed to improve performance in project cost, schedule, operability, safety, reliability, and client satisfaction. Our projects repeatedly score highly on IPA benchmarking, a key indication of our commitment to excellence in execution.

## Value Improvement Practices

Wood Group utilizes Value Improvement Practices (VIP) to help ensure the quality and success of your project. Our specialists implement VIP during the projects FEL 1-3 stages where the highest opportunity exists to positively influence project outcome.

## Regional Offices Solve Specific Needs

Wood Group continues to establish and staff offices with experienced teams to execute projects unique to specific regions. From cost-effective revamps and modifications along the Gulf Coast to the largest capital project ever to be built in the state of South Carolina, we are positioned to meet your needs. We open domestic and international field locations as the need arises. Each is fully supported by on-site teams and 'virtual' support, including the latest in project tools and shared resources of all disciplines.

## We Know the Project

Wood Group's Process Plants team has experience with most proprietary technologies. We offer solid licensor support while remaining technology neutral to provide the best solution possible.

## Our capabilities include:

- Fluid catalytic cracking (FCC)
- Alkylation
- Hydrotreating
- Hydrocracking
- Reforming
- Coking
- Isomerization
- Dimerization
- Sulfur recovery
- FCC gasoline HDS
- Crude/vacuum distillation
- LPG/gasoline mercaptan removal
- FCC wet gas scrubbing
- Deasphalting
- Benzene saturation
- Hydrogen plants
- Olefins
- Amine treating/regeneration
- Polyethylene
- Polypropylene
- Aromatics processing/extraction
- Alpha olefins
- Ethylene
- Ethylene oxide/ethylene glycol
- Oxygenates
- Cumene
- Polystyrene
- PVC
- Synthetic rubbers and elastomers
- Engineered plastics
- Paraxylene
- Styrene monomer
- Acetic acid
- Acetic anhydride
- Polycarbonate
- Phosgene
- Fischer-Tropsch
- Gasification
- Construction
- EPC
- Asset Integrity management



