

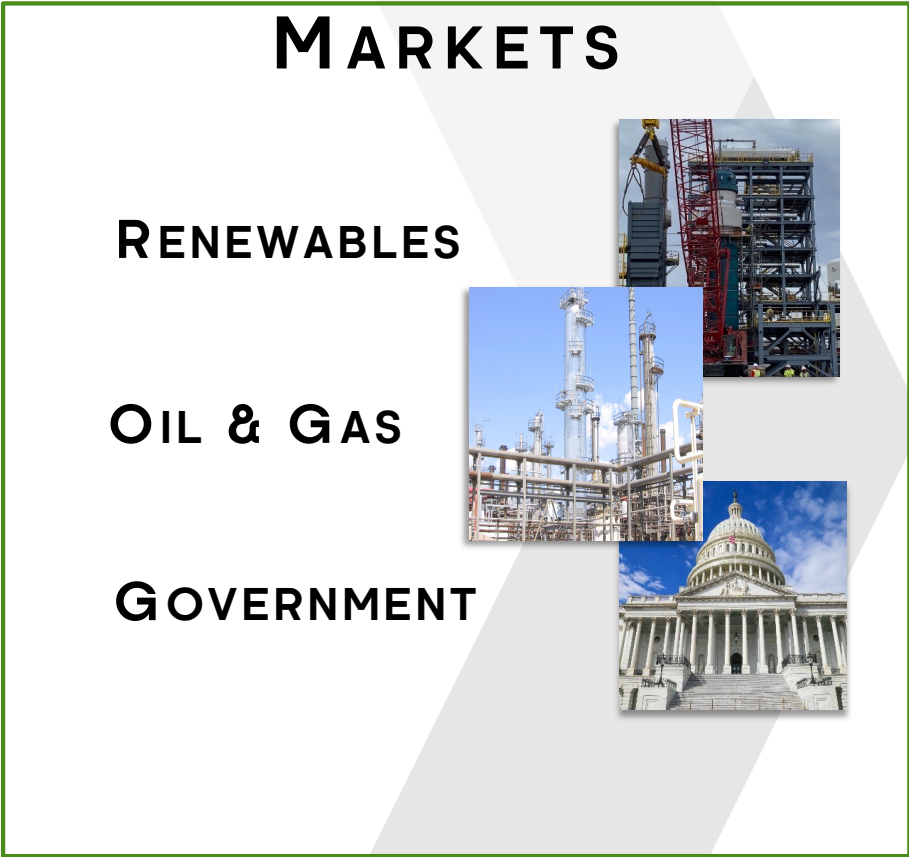
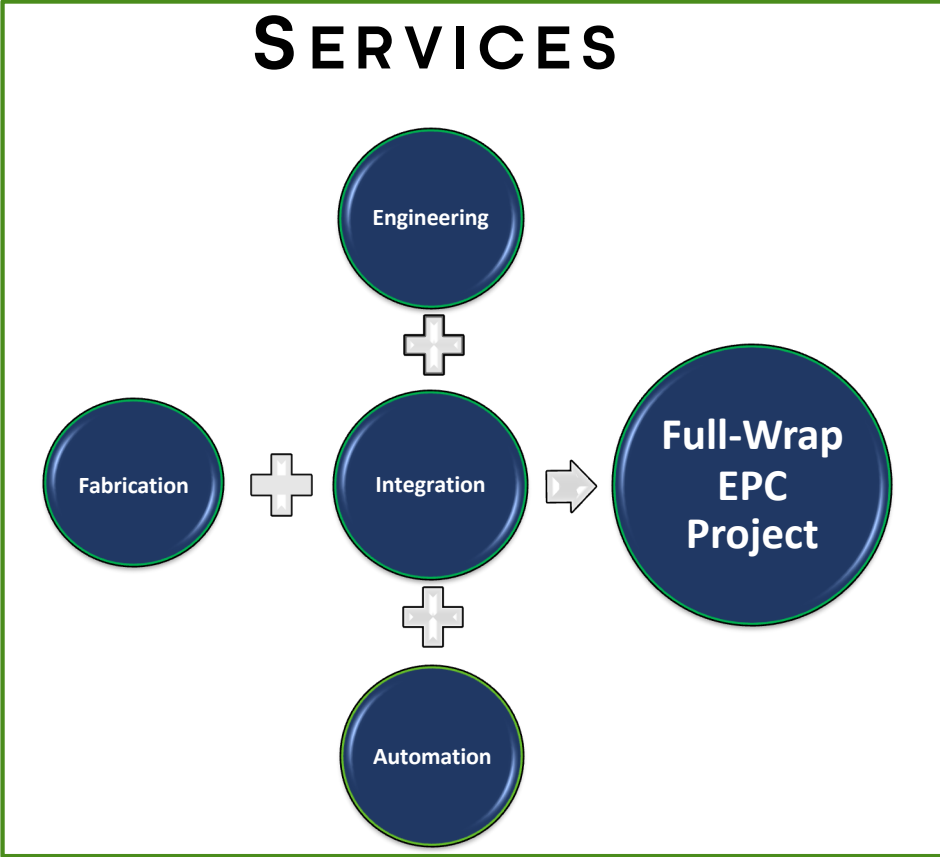
ENG
DELIVERING INNOVATION
SINCE 1985



INNOVATIVE SERVICES



TAILORED APPROACH



**SIMPLE SOLUTIONS TO
COMPLEX PROJECTS**



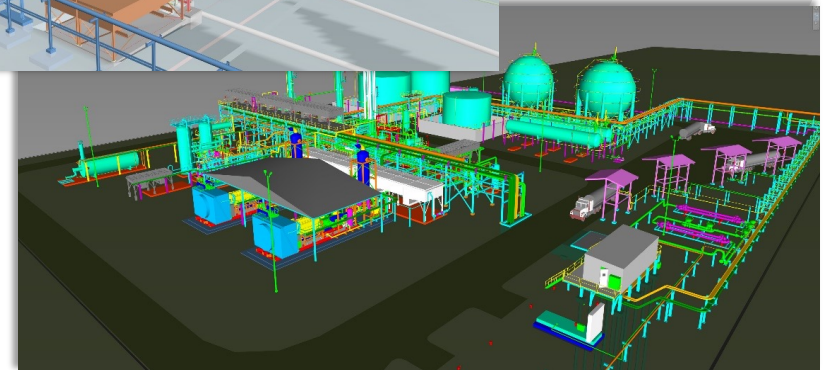
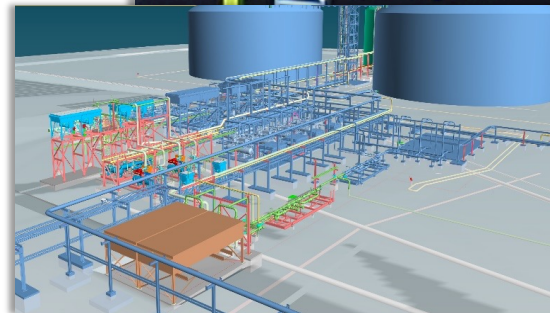
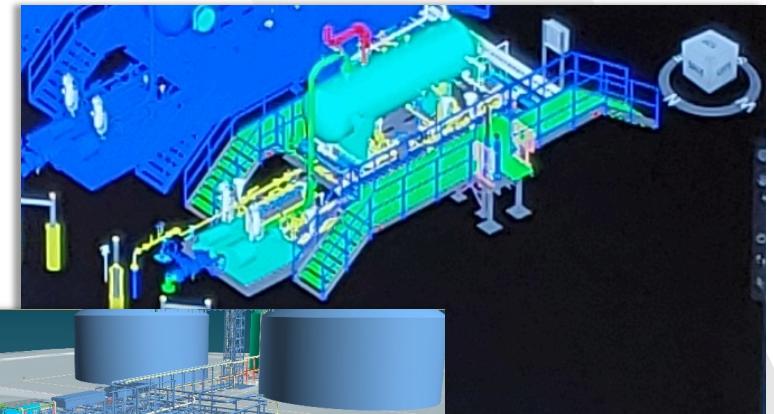
A DEEP PORTFOLIO OF REPEAT CLIENTS



MULTI-DISCIPLINED ENGINEERING → STRATEGIC CONSULTING

- Detail Engineering and Design
- FEED Packages
- Construction Bid Package Development
- Project Cost Estimation
- Vertical Integration of Automation and Construct Ability
- Modular Process Plants
- Concept & Plan Development
- Feasibility Studies
- Process, Risk and Safety
- Environmental Compliance

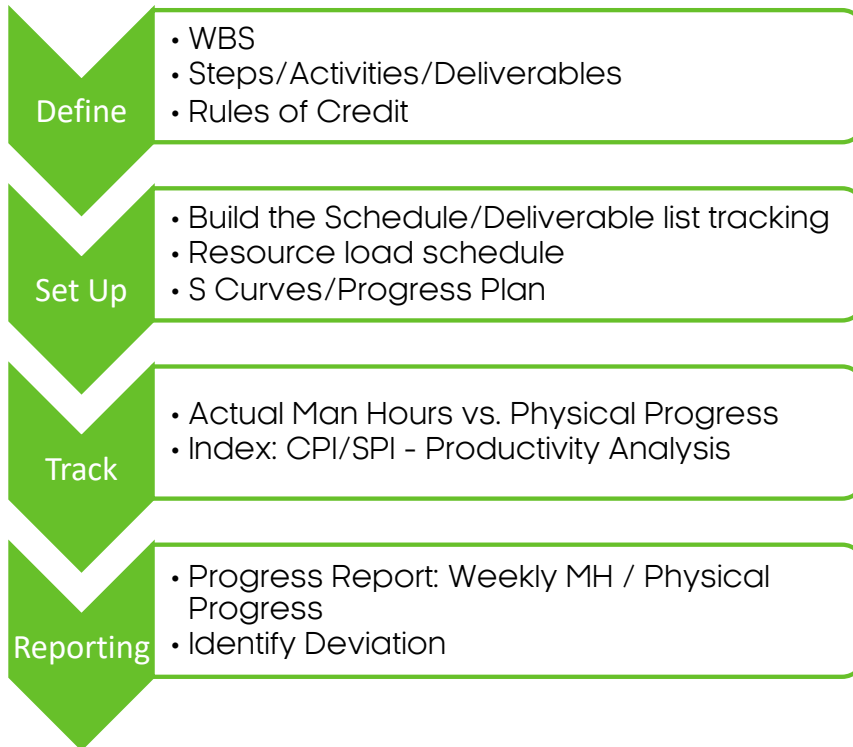
**TRUSTED ENGINEERING
PARTNER < 35 YEARS!**



ENG

PROJECT CONTROLS

SCHEDULING WORK FLOW



Cost Control Work Flow



MONTHLY REPORT EXAMPLE



PROJECT: Hydrogen Plant

Monthly Report

Reporting Period: Mar-20-21

BASIC INFORMATION		SCOPE	COST / MANHOUR SUMMARY					CONTRACT PERFORMANCE																																																																																																																																																																							
Client: Oil Company Start Date: Nov 06 19 End Date: Oct 26 21 Engineering Manager: All LeBanc Project Manager: Timothy Wells Project Sponsor: Bruce Williams Project Controlling: Martha Castro Commercial Structure (Project Type): Lump Sum Work Order/ Purchase Order / Contract #: 123316 Payment Terms: NET 30		Provide multidisciplinary detailed engineering and design, the procurement of equipment and materials, supply and fabrication of modules, interconnecting structural steel and piping, the design, fabrication, and equipment integration of the power distribution center and the design, integration, and programming of process control and ESD systems.	<table border="1"> <thead> <tr> <th></th> <th>CB</th> <th>Actual</th> <th>FTC</th> <th>FAC</th> <th></th> </tr> </thead> <tbody> <tr> <td>Eng. MH</td> <td>31,876.5</td> <td>30,804.0</td> <td>1,836.0</td> <td>32,640.0</td> <td></td> </tr> <tr> <td>Fab. MH</td> <td>33,945.0</td> <td>36,575.3</td> <td>9,891.0</td> <td>46,466.3</td> <td></td> </tr> <tr> <td>Labor</td> <td>\$ 3,789.50</td> <td>\$ 3,841.63</td> <td>\$ 517.36</td> <td>\$ 4,358.98</td> <td></td> </tr> <tr> <td>Materials & Subcontr</td> <td>\$ 18,327.84</td> <td>\$ 12,977.36</td> <td>\$ 4,770.34</td> <td>\$ 17,447.70</td> <td></td> </tr> <tr> <td>Expenses</td> <td>\$ 28.59</td> <td>\$ 34.78</td> <td>\$ 3.00</td> <td>\$ 37.78</td> <td></td> </tr> <tr> <td>Contingency</td> <td>\$ 1,283.71</td> <td>\$ 89.04</td> <td>\$ 1,194.67</td> <td>\$ 1,283.71</td> <td></td> </tr> <tr> <td>Sub Total Cost</td> <td>\$ 23,429.63</td> <td>\$ 16,942.80</td> <td>\$ 6,485.37</td> <td>\$ 23,428.17</td> <td></td> </tr> <tr> <td>Commitment Cost</td> <td></td> <td></td> <td></td> <td>\$</td> <td></td> </tr> <tr> <td>Total Cost</td> <td>\$ 23,429.63</td> <td>\$ 16,942.80</td> <td>\$ 6,485.37</td> <td>\$ 23,428.17</td> <td></td> </tr> <tr> <td>Revenue</td> <td>\$ 27,749.83</td> <td>\$ 20,008.14</td> <td>\$ 7,681.68</td> <td>\$ 27,749.83</td> <td></td> </tr> <tr> <td>GM</td> <td>4,320.2</td> <td>3,125.3</td> <td>1,196.3</td> <td>4,321.7</td> <td></td> </tr> <tr> <td>GM %</td> <td>15.57%</td> <td>15.57%</td> <td>15.57%</td> <td>15.57%</td> <td></td> </tr> <tr> <td>Average Rate</td> <td>106.2</td> <td>110.9</td> <td>219.84</td> <td>117.81</td> <td></td> </tr> <tr> <td>Invoiced to Date:</td> <td>24,800.12</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						CB	Actual	FTC	FAC		Eng. MH	31,876.5	30,804.0	1,836.0	32,640.0		Fab. MH	33,945.0	36,575.3	9,891.0	46,466.3		Labor	\$ 3,789.50	\$ 3,841.63	\$ 517.36	\$ 4,358.98		Materials & Subcontr	\$ 18,327.84	\$ 12,977.36	\$ 4,770.34	\$ 17,447.70		Expenses	\$ 28.59	\$ 34.78	\$ 3.00	\$ 37.78		Contingency	\$ 1,283.71	\$ 89.04	\$ 1,194.67	\$ 1,283.71		Sub Total Cost	\$ 23,429.63	\$ 16,942.80	\$ 6,485.37	\$ 23,428.17		Commitment Cost				\$		Total Cost	\$ 23,429.63	\$ 16,942.80	\$ 6,485.37	\$ 23,428.17		Revenue	\$ 27,749.83	\$ 20,008.14	\$ 7,681.68	\$ 27,749.83		GM	4,320.2	3,125.3	1,196.3	4,321.7		GM %	15.57%	15.57%	15.57%	15.57%		Average Rate	106.2	110.9	219.84	117.81		Invoiced to Date:	24,800.12					 																																																																													
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INTEGRATION → EXPERIENCED DRIVEN SOLUTIONS

- MODULAR ENCLOSURES/BUILDINGS
- CONTROL SYSTEMS
- POWER SOLUTIONS
- INDUSTRIAL HVAC
- ANALYTICAL
- STATE-OF-THE-ART TESTING FACILITY

PlantPAX
Distributed Control System



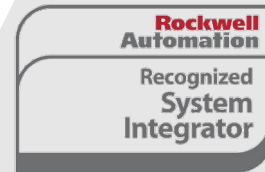
**80,000 SQFT
FABRICATION FACILITY**



Solution
Partner

Automation
Drives

SIEMENS



ENG

AUTOMATION SOLUTIONS

- PLC, HMI, DCS Programming
- Functional Safety Lifecycle Services
- Burner Management & Fuel Gas Systems (BMS)
- Compressor Control System Retrofits
- IIOT Solutions and Hosting
- MAC/MEC Services
- Power System Monitoring Solutions
- Analyzer Sample & DAS Solutions
- Control Systems Integration & Mitigation
- Process Control System Configuration & Programming

**DEEP DOMAIN KNOWLEDGE
IN AUTOMATION**



MODULAR DESIGN & FABRICATION DRIVE DOWN COSTS

- Gas Production Units
- Dehydrators | Crude Oil Separation
- Process Design | Gas Conditioning
- Hydrocarbon Separation | Recovery
- Measurement | Metering Skids
- LACT Units
- Launcher / Receiver
- BTEX Removal
- Combustion Equipment



**DELIVERS SAFE AND
CONSISTENT QUALITY**



ENG



PROJECT EXPERIENCE HIGHLIGHTS

ENG

HYDROGEN PLANT → RENEWABLE DIESEL, MIDWEST USA

ENG, Haldor Topsoe, and Fagen collaboration in action.



Project Characteristics:

- **ENG** → technology transfer, design, and fabrication
- **First of a kind** HTCR and RDU in North America!
- 21 MMscfd Hydrogen Bridge® Hydrogen plant
- 6,500 BPD HydroFlex® Renewable diesel unit
- Soybean oil, white grease feedstock
- Majority of plant modular-built offsite
- Zero module rework!

INNOVATION DELIVERED!



LPG IMPORT TERMINAL

Project Characteristics:

- Expansion of terminal adding three (3) 300,000 bbl LPG refrigerated storage tanks with loading/unloading systems.
- Scope: New tanks and loading/unloading systems, boil-off gas recovery compression, refrigeration system, transfer pumps, heat exchangers, fire water system, and MVCU.

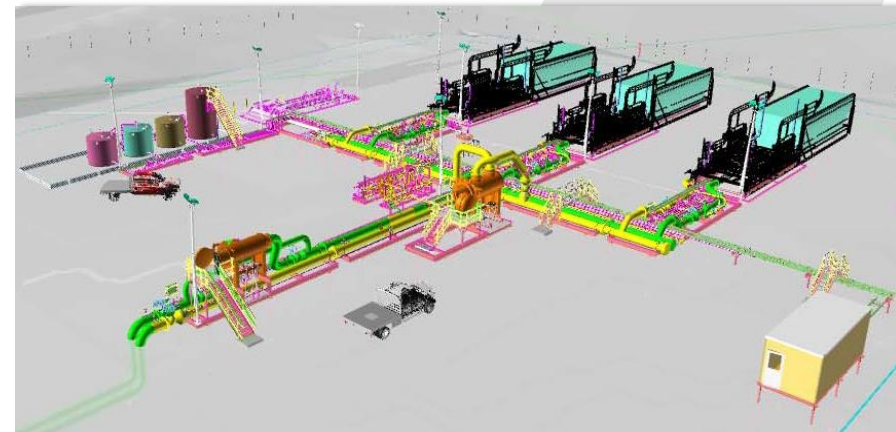
INNOVATION DELIVERED!



COMPRESSOR STATION

Project Characteristics:

- **ENG** supplemented the client-purchased compressor packages with purchasing specifications for MCC and other equipment and materials.
- Detailed engineering
- Replacement of 3,500-ft of 26-inch pipeline with 30-inch pipe,
- Total installed project cost \$20 MM.



INNOVATION DELIVERED!

CRYO PLANT

Project Characteristics:

- Core unit - UOP Russell 200vMMSCFD cryogenic unit, with GEA Refrigeration and MAFI Turbo expander.
- Scope: ISBL/OSBL equipment. ISBL Process integration.
- Permitting (ODOC-DIC & FM, OEPA).

INNOVATION DELIVERED!



ENG

PUMP STATION

ENG provided replacement of two (2) Sterling natural gas engines driving mainline pumps with Cat engines.

Project Characteristics:

- Detailed design
- Relocation/retrofit of jacket water system, new air intake and exhaust systems, and tie-ins to existing fuel gas and lube oil.

INNOVATION DELIVERED!

