MODULAR REFINERY PROCESS UNITS
Since 1978, thirty-seven years in the business, this manufacture is one of the oldest and most experienced modular equipment manufacturers in the world.

Project Experience

Bechtel  
Torch Energy  
Texaco  
Veneco Energy  
Chevron  
GPC Sudan  
Union Oil  
Metro Oil & Refining  
Shell Oil  
McPherson Oil  
Mobil Oil  
Baker Hughes  
Occidental  
Flying J Refining  
Aera Energy  
Goodway Refining  
Corn Products  
Hamilton Engineering  
Seneca Oil  
Georgia American Oil  
Concorp International

U.S. Department of Energy  
Redd Engineering  
Santa Fe Energy  
Fujairah Marine Service  
Berry Petroleum  
Natural Resources Group  
Huntway Refining  
Seadrift Coke  
Beacon Refining  
Whittier Oil  
Pertamina Refining  
Niger Delta Petroleum  
Tri Wahana Universal  
Golden Gate  
High Sierra Energy  
Petro Source Partners  
Super Petrochemical
## Project History

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Capacity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>Koko Beach, Nigeria</td>
<td>5,000 bpd ADU</td>
<td>modular ADU</td>
</tr>
<tr>
<td>2013</td>
<td>Watsonville, California, USA</td>
<td>1,000 bpd Methylester Unit</td>
<td>modular biodiesel plant</td>
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<tr>
<td>2012</td>
<td>Fort Worth, Texas, USA</td>
<td>VRU</td>
<td>modular vapor recovery unit.</td>
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<tr>
<td>2012</td>
<td>Bojonegoro, Indonesia</td>
<td>12,000 ADU / 5,500 bpd VDU</td>
<td>modular ADU / VDU</td>
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<tr>
<td>2011</td>
<td>Chittagong, Bangladesh</td>
<td>3,000 NHT / 2,500 bpd CRU</td>
<td>design &amp; refurbish CRU / VDU</td>
</tr>
<tr>
<td>2010</td>
<td>Ogbele, Nigeria</td>
<td>1,000 bpd ADU</td>
<td>modular ADU</td>
</tr>
<tr>
<td>2009</td>
<td>Ogbele, Nigeria</td>
<td>21,000 bpd</td>
<td>modular crude oil flowstation</td>
</tr>
<tr>
<td>2009</td>
<td>Bojonegoro, Indonesia</td>
<td>6,000 ADU / 3,000 bpd VDU</td>
<td>modular ADU / VDU</td>
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<tr>
<td>2008</td>
<td>Iraq</td>
<td>5,000 bpd</td>
<td>modular process heater fuelsystem</td>
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<tr>
<td>2006</td>
<td>Sparks, Nevada</td>
<td>1,000 bpd Splitter</td>
<td>modular transmix splitter</td>
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<tr>
<td>2006</td>
<td>Ogbele, Nigeria</td>
<td>5,000 bpd</td>
<td>modular five- well manifold for flow station</td>
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<tr>
<td>2005</td>
<td>Vernal, Utah USA</td>
<td>250 bpd</td>
<td>modular equipment for processing shale oil.</td>
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<tr>
<td>2005</td>
<td>Ogbele, Nigeria</td>
<td>10,000 bpd</td>
<td>modular crude oil flowstation</td>
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<tr>
<td>2004</td>
<td>Bakersfield, CA</td>
<td>6,000 bpd CRU</td>
<td>design for conventional construction.</td>
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<tr>
<td>2003</td>
<td>Santa Cruz, Bolivia</td>
<td>1,000 bpd</td>
<td>modular CRU / Splitter / NHT</td>
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<tr>
<td>2003</td>
<td>Dumas, Texas</td>
<td>5,000 bpd</td>
<td>gas liquids terminal and modular stabilizer</td>
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<tr>
<td>2003</td>
<td>Buenos Aires, Argentina</td>
<td>6,500 bpd NHT / CRU</td>
<td>modular CRU / NHT / Splitter / Isom</td>
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<tr>
<td>2002</td>
<td>Bulgaria</td>
<td>6,000 ADU / 2,000 bpd VDU</td>
<td>modular ADU / VDU</td>
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<tr>
<td>2001</td>
<td>Nong Kae, Thailand</td>
<td>20,000 bpd ADU</td>
<td>refurbishment of new modular unit.</td>
</tr>
<tr>
<td>Date</td>
<td>Location</td>
<td>Capacity</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
<td>---------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>2000</td>
<td>Ogbele, Nigeria</td>
<td>10,000 bpd</td>
<td>modular crude oil flowstation.</td>
</tr>
<tr>
<td>1999</td>
<td>Sartichala, Republic of Georgia</td>
<td>1,000 bpd CRU</td>
<td>modular CRU</td>
</tr>
<tr>
<td>1999</td>
<td>Tula, Russia</td>
<td>2,000 bpd ADU</td>
<td>refurbish &amp; install modular ADU</td>
</tr>
<tr>
<td>1999</td>
<td>Gori, Republic of Georgia</td>
<td>2,000 bpd ADU</td>
<td>second modular ADU</td>
</tr>
<tr>
<td>1998</td>
<td>Gori, Republic of Georgia</td>
<td>2,000 bpd ADU</td>
<td>refurbish &amp; install modular ADU</td>
</tr>
<tr>
<td>1998</td>
<td>Dagestan, Russia</td>
<td>6,000 ADU / 2,000 bpd CRU</td>
<td>refurbish conventional ADU / HDS / CRU</td>
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<tr>
<td>1997</td>
<td>Khartoum, Sudan</td>
<td>1,500 bpd NHT / CRU</td>
<td>refurbish conventional NHT / CRU</td>
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<tr>
<td>1997</td>
<td>Nishnekamsk, Russia</td>
<td>10,000 bpd</td>
<td>design conventional CRU / HDS / Isom</td>
</tr>
<tr>
<td>1996</td>
<td>Persian Gulf</td>
<td>50,000 bpd ADU</td>
<td>engineering new ADU</td>
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<tr>
<td>1995</td>
<td>Novosibirsk, Russia</td>
<td>1,000 bpd CRU</td>
<td>design conventional CRU</td>
</tr>
<tr>
<td>1995</td>
<td>Indonesia</td>
<td>4,000 bpd</td>
<td>new self-contained unit various streams</td>
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<tr>
<td>1994</td>
<td>Nizhnevartovsk, Russia</td>
<td>3,000 bpd ADU</td>
<td>modular ADU</td>
</tr>
<tr>
<td>1994</td>
<td>Campo Duran, Argentina</td>
<td>3,000 bpd NHT / CRU</td>
<td>modular NHT / CRU</td>
</tr>
<tr>
<td>1992</td>
<td>Muglad, Sudan</td>
<td>2,000 bpd ADU</td>
<td>dismantle, refurbish and erect unit</td>
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<tr>
<td>1988</td>
<td>Houston, TX</td>
<td>1,500 bpd ADU</td>
<td>modular ADU</td>
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<tr>
<td>1985</td>
<td>Houston, TX</td>
<td>6,000 bpd ADU</td>
<td>modular ADU</td>
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<td>1984</td>
<td>Corpus Christi, TX</td>
<td>1,500 bpd ADU</td>
<td>modular ADU</td>
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<tr>
<td>1981</td>
<td>Osage, WY</td>
<td>6,000 bpd ADU</td>
<td>modular ADU. later relocated to Alaska</td>
</tr>
<tr>
<td>1980</td>
<td>Bloomfield, NM</td>
<td>1,500 bpd NHT / CRU</td>
<td>dismantle, refurbish conventional units</td>
</tr>
</tbody>
</table>
94 Global Projects
Supporting the world’s energy needs

Skid mounted

Vacuum distillation
Splitters and Stabilizers

Atmospheric distillation
Desalters

Catalytic reformer units

Hydro desulfurization units
From design to startup and commissioning

Top: 2500 bpd aromatics refinery, Chittagong, Bangladesh.
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- Guide projects from inception to commission
- Successful projects that generate results
  - 160,000 BPD of client operational capacity since 1995
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We have a full spectrum of engineering disciplines in our ranks:

- Chemical and Process Engineers
- Mechanical Engineers
- Civil Engineers
- Electrical and Controls Engineers
- Materials Engineers
- Environmental Engineers
Engineering

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- Autodesk AutoCAD®
- CEI DESIGNCALCS™
- CAESAR II® Pipe Stress Analysis
- NAVISWORKS
- CADWorx® PLANT DESIGN SUITE
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13 acre state of the art manufacturing facility

- 30,000 square feet under cover.
- 40,000 square feet concrete assembly area.
- Two full span twenty ton cranes.
- 3500 square feet office and conference building.
- 45 minutes from the Port of Houston.
- Along the largest interstate highway in Texas.
- Room for future expansion.

- May 2015 completion
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Our Modular prides itself in being small and agile. We recruit the very best and brightest and believe that quality far outweighs quantity.

By remaining a small, close knit team, we are able to achieve more with less, and therefore can be more competitive to assist our larger industry partners.

We partner with various companies that share our “smaller is better” philosophy as the need arises to expand our capabilities or enable us to achieve larger goals.

We adopted this philosophy from the famous Skunk Works group at Lockheed Martin.

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Advisory Services

► Assistance for installation, startup, and test run of the equipment.

► Our start up teams consist of a wide array of specialists and are tailored specifically to each project:

- project managers
- construction managers
- process engineers
- electrical engineers
- rotating equipment mechanics
- instrumentation technicians
- electrical technicians
- plant operators.
Saving Time and Money

Our modular construction techniques save:

- **Time**: shorter project completion – higher quality
  - Parallel site and skid construction
- **Money**: less labor and material
  - Faster startups
Thank You

Learn more about Modular by visiting us at:

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