Static Plant Equipment for Plant Processing
LPR Global offers a variety of top class fabricated equipment for different types of plant processing. Our specialties are in:

- Heat Exchanger
- Pressure Vessel
- Reactor
- Column & Tower
- Heavy Wall
- Equipment
- Piping Spool & Heater

All of our systems are certified by world standard organizations such as ISO and ASME.

- ISO 9001 Certification
- ASME U Stamp: Pressure Vessel
- ASME S Stamp: Power Boiler
- PED/CE Stamp: Pressure Equipment Directive

Our global service partners around the world are relying on us with plant processing and have saved their valuable time and resources. Our clientele and companies with which we have extensive working relationships include:

<p>| PAZ Refinery | CPC Co | LG Chemical | SK Energy | S-Oil | Negev Aroma | Ormat technologies | ORL and etc | Watlow Korea | Kosin ENC | Torishima Pump Mfg | Samrim FD |</p>
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Fabrication Capacity</th>
<th>Production Yield (Per Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Heat Exchanger</td>
<td>(ID3,500 X T100 X 30,000L) / 150TON</td>
<td>1200 TONS</td>
</tr>
<tr>
<td>2</td>
<td>Pressure Vessel</td>
<td>(ID5,500 X T100 X 35,000L) / 200TON</td>
<td>1500 TONS</td>
</tr>
<tr>
<td>3</td>
<td>Reactor</td>
<td>(ID5,500 X T100 X 35,000L) / 200TON</td>
<td>900 TONS</td>
</tr>
<tr>
<td>4</td>
<td>Column &amp; Tower</td>
<td>(ID5,550 X T100 X 60,000L) / 250TON</td>
<td>900 TONS</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>WARM BENDING</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Heavy Wall</td>
<td>(T150 X 4,200 X&lt;sup&gt;©&lt;/sup&gt;300MIN.)</td>
<td>600 TONS</td>
</tr>
<tr>
<td>6</td>
<td>Equipment</td>
<td><strong>COLD BENDING</strong> (T150 X 4,200 X&lt;sup&gt;©&lt;/sup&gt;1,300MIN)</td>
<td>600 TONS</td>
</tr>
<tr>
<td>7</td>
<td>Piping Spool &amp; Heater</td>
<td>Max.60x200(Ton/Month), CS, Alloy, Titanium</td>
<td>2,400 TONS</td>
</tr>
</tbody>
</table>
LPR Global features complete design, engineering, construction and installation of Pressure Vessel and Towers. We custom design vessel and towers to all customer requirements.

Our quality control processes ensure operator safety and optimal quality of each piece of equipment.

Our world class global partners include PAZ Refinery | JC Carter | Watlow | Ormat technologies | Torishima Pump Mfg | Peerless Europe.
Our custom-engineered heat exchangers deliver thermal processing solution for plant processing.

Our clientele and companies with which we have extensive working relationships include PAZ Refinery | CPC Co | LG Chemical | SK Energy | S-Oil | Negev Aroma | Ormat technologies | ORL and etc | Watlow Korea | Kosin ENC | Torishima Pump Mfg | Samrim FD |

PAZ Refinery - Crude Heat Exchanger  PAZ Refinery – FCC Heat Exchanger

Carmel Olefins – Heat Exchanger  Ormat Technologies – Heat Exchanger
Pipe Spools and Piping

- Pipe Spool fabrication requires the highest precision and accuracy. LPR Global is dedicated to your project’s success with the qualities that cannot be replaced.
- Our pipe fabrication capability can manage pipe spool fabrication, plate and structural work in all types of alloy. Our quick around fabrication and off-site pipe spool fabrication has saved valuable times and resources of our service partners.
- Our global service partners include PAZ Refinery, Hwasung CCPP, Firscomp Co, UBEC Co, Ormat technologies, JC Carter, Emerson Korea, Hyosung

Ormat Technologies – Pipe Spool

Ormat Technologies – Pipe Spool

JC Carter – Pipe Spool

JC Carter – Foot Valve
Our precise technology in fabrication also allows us to produce other fabricated equipment such as package system, metering skid and waste heat oil heater.

Our service partners relying on our various types of fabricated equipment are PAZ Refinery | Hwasung CCPP| Firscomp Co | UBEC Co | Ormat technologies | JC Carter | Emerson Korea, Hyosung.
Our advanced capabilities in 3D modeling allows us to offer the most precise 3D CAD modeling & design.

Sample of 3D CAD for precise simulation of kinematic motion of diverter flap door. The motion of several parts can be investigated presciently in detail.

Finite element analysis for structural strength problem of bomb explosion chamber.

Sample of 3D CAD for precise design of shell & tube heat exchanger.

Finite element analysis for heat transfer problem of thick nozzle.

**CFD Design & Analysis**

<table>
<thead>
<tr>
<th>Modeling</th>
<th>Meshing</th>
<th>Analysis</th>
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<tbody>
<tr>
<td>NTM Separator</td>
<td><img src="#" alt="Meshing Image" /></td>
<td><img src="#" alt="Analysis Image" /></td>
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<tr>
<td>Heater Reducer</td>
<td><img src="#" alt="Meshing Image" /></td>
<td><img src="#" alt="Analysis Image" /></td>
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