Renewable Energy Equipment and Packages

www.dxpe.com/renewables
DXP brings over a century of rotating equipment and packing expertise to the Renewable Energy market. We are committed to the support of companies and communities determined to reach their goals of NetZero emissions.

DXP is your partner in developing, implementing and maintaining your process and rotating equipment. Combining unparalleled engineering depth, the most extensive network of service locations in North America, and the highest level of technical expertise in industrial distribution, your DXP Renewables team is able to offer the best solution for your application.

**Products**

- Bioethanol ........................................................................................................................................................................... 3
- Biodiesel .............................................................................................................................................................................. 4
- Biogas ................................................................................................................................................................................. 5
- CCSU and Other Renewable Energy Resources ........................................................................................................... 6

**Operations**

- Project Management ......................................................................................................................................................... 7
- Engineering & Design ........................................................................................................................................................ 7
- Process Simulation ............................................................................................................................................................ 7
- Automation .......................................................................................................................................................................... 8
- Aftermarket/Service ........................................................................................................................................................ 8
- Quality Control / Quality Assurance ............................................................................................................................... 8
Fermenter Drain, Recirculation and Transfer Pumps
Chemical Transfer Pumps
Steam Condensate, Water and Slurry Pumps
Distillation Vacuum Pumps
Rotary Lobe Blowers
Plate and Frame Heat Exchangers
Condition Monitoring
Shell and Tube Heat Exchangers, Tanks and Pressure

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Feedstock Unloading and Transfer
Raw and Process Water Transfer Pump
Sludge Effluent Pumps
Reactor Injection Water Pumps
Biodiesel Blending Skids
Propane & Naphtha Rail Loading Pumps
Chemical Transfer and Injection Systems
Biogas Pre-Treatment Skid
Biomethane Capture System
Biomass Feed and Circulation Hose Pumps
Biogas Tanker Truck Loading/Offloading
Draft Tube Circulation Blower
Balance of Plant Equipment
Low Pressure CO2 Capture Process Pumps
Medium Pressure API-610 CO2 Pipeline Pumps
API-610 BB3 and BB5 Pumps for High Pressure Carbon Sequestration
Slurry Pumps for Geothermal Plants
Green/Blue Hydrogen Generation Equipment
Gas to Liquid Modules
Renewable Lube Oil Blending Skids
Each Project Management Group consists of a dedicated Project Manager, Project Engineer and Design Team to manage each project from start to finish. The Project Manager is the single point contact with the customer.

DXP uses the latest SOLIDWORKS software to generate models of each package. These models minimize equipment interferences and maximize safety.

DXP utilizes Aspen Plus Process Simulation Software for conceptual design, optimization, and performance modeling of DXP’s proposed solutions to customer requirements.
**AUTOMATION**

DXP knows that the proper integration of automation and controls with packaged mechanical equipment is important. DXP understands the process requirements to design and supply the best controls for the job. From the simplest functions to PLC’s incorporating control functions outside DXP supplied packaged equipment, automation is a large part of DXP’s added value.

**AFTERMARKET/SERVICE**

**PARTS SUPPORT**

DXP’s dedicated Aftermarket group provides on site, factory training commissioning start support as well as operator training. Our parts department offers spare and replacement parts throughout the service life of our equipment.

**QUALITY CONTROL / QUALITY ASSURANCE**

DXP completed ISO 9001:2015 certification by DAS in 2020

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