

Future Value

• High pressure (3000 psi) or high temperature (660 °F) are seen regularly; but seldom together at the same time.

- The use of biologically-produced fuel causes no net increase in greenhouse gases.
- Flexible design allows for a variety of feedstocks, including water treatment biosolids.

Social, Economic & Sustainable Design

- Using organic feedstock, HPPS produces fuels that can be used as is, or further refined for varied usage.
- No solvents or chemicals are used; only temperature and pressure.



Hydrothermal Processing Pilot System

- System needed to be designed to fit into standard ISO shipping containers.
- Each piece had to be separately specified, since a system of this size, temperature, and pressure had never been successfully built before.

Exceeding Client/Owner Needs

- Project was performed within a fixed-price contract.
- Functional Acceptance Testing successfully completed.
- Client was continually engaged, including weekly briefings during design, fabrication, and commissioning.

Loading the HPPS and preparing for shipment

MERRICK[®] **& COMPANY** Genifuel

Project: Hydrothermal Processing Pilot System; Greenwood Village, CO

Client: Genifuel Corporation; Salt Lake City, UT | Firm: Merrick & Company; Greenwood Village, CO | Category: K - Energy

