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FAGENEU

PANONIA ETHANOL

Dunafoldvar, HU

Fagen, Inc. was the EPC contractor for a 55 MMGY natural gas fired ethanol facility. Pannonia Ethanol was the first greenfield ethanol plant in central Europe.

Notice to Proceed - November 4, 2010

Substantial Completion - July 12, 2012

Primary Contact

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Project Highlights

- First dry grind fuel ethanol plant built in Europe using ICM technology.
- Deployed US manufactured equipment and material to maximize US content and to insure ontime delivery and nameplate performance at startup.
- US based leadership team with Hungarian subcontractors to complete project ahead of schedule and under budget.
- Quickly developed a project execution model where US methods and standards were the norm to maximize productivity and quality, yet accommodating cultural and European execution methods to insure adequate resources to fulfill schedule objectives.
- Incorporated a 2 MW let-down steam turbine.
- Interfaced grains and DDGs transfer system into operating, adjoining Cargill barge loading grain facility.
- Installed ethanol barge loadout capabilities to jetty on the Danube River.
- Upon completion, Fagen interfaced with Europe based manufacturer startup teams and US based process startup and commissioning teams along with a Hungarian plant operations team to successfully facilitate a safe startup.



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Points of Interest

- Met European (PED and ATEX) construction and operating standards using US designs
- Managed the complexities of transatlantic logistics with everything from prefabricated pipe assemblies and field erected tank material to the boiler and dryer systems.
- Converted US process control design and systems to EU standards without impacting plant reliability and function.
- Met the various local authorities' requirements for process safety and ethanol inventory control.
- Incorporated European manufacturers for all of the electrical equipment and commodities.



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