An agricultural biomass energy generation plant generates thermal energy for use on the farm. Excess power that is not required can be fed into the national electricity grid. The heart of the system is the fermenter where the biomass is broken down. The liquid and gases inside a fermenter are very aggressive. As a result, the tanks must be constructed from corrosion-resistant materials such as stainless steel.

**Location**: FARMS, MAINLY EUROPE

**Environment**: INDOOR/OUTDOOR

**Product**: COLD ROLLED AND WORK-HARDENED STAINLESS STEEL SHEET

**Fabrication process**: CONTOURING, STAMPING

**Grade/surface**: 1.4301, 1.4571 (ASTM TYPES 304, 316 T1/2B AND 2R)

**Material thickness/diameter**: 1.5 - 3.5 MM

**Weight**: VARIERS

**Competing material**: CONCRETE, COATED CARBON STEEL

**Date of Completion**: CONTINUALLY IN PRODUCTION

**Manufacturer**: WELTEC BIOPOWER® GMBH

**Material Supplier**: THYSSENKRUPP NIROSTA GMBH

**Source of Information**: WELTEC BIOPOWER® GMBH

**Remarks**: DEPENDING ON OPERATIONAL DEMANDS, DIFFERENT GRADES OF STAINLESS STEEL CAN BE UTILISED IN THIS APPLICATION.