

# AGRI SEBI

**BIOGAS FROM 100 KW TO 2 MW  
FOR AGRICULTURAL ENTERPRISES**

The **AGRI SEBI** line is the result of the SEBIGAS's consolidated experience in the biogas sector. The company strives to meet its goal of designing a plant suited to the requirements and potentialities of each and every customer.

This line is designed to valorise different types of organic matrices: **AGRICULTURAL BY-PRODUCTS** and **SILAGE**.

Usually, local regulations require the principal use of by-products, higher than 70% in weight with respect to the total of products fed into the plant.

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**LINE DESIGNED TO  
 VALORISE DIFFERENT  
 TYPES OF ORGANIC  
 MATRICES: AGRICULTURAL  
 BY-PRODUCTS AND SILAGE**  
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The biogas plant, in operation in the Eridania sugar factory, allows the valorisation of by-products normally unused from sugar processing, such as sugar beet collar, leaves and pulp. The electrical energy produced is sold to the national grid, whereas the thermal energy recovered is designated for the sugar factory to perform its activity.

**📍 LOCATION**

**SAN QUIRICO (PARMA)**

**⚡ INSTALLED POWER**

**999 kW**

**⬇️ INPUT RESOURCE**

**SUGAR BEET PULP, LEAVES AND COLLAR**

**📅 IN OPERATION SINCE**

**2010**

**🏠 LAYOUT**

**2 DIGESTERS**



**📍 LOCATION**

**BRESCELLO (REGGIO EMILIA)**

**⚡ INSTALLED POWER**

**999 kW**

**⬇️ INPUT RESOURCE**

**MELONS, SUGAR BEETS, SILAGE**

**📅 IN OPERATION SINCE**

**2012**

**🏠 LAYOUT**

**2 DIGESTERS**

Plant facility that produces energy using silage in co-digestion with fruit and vegetable by-products that do not possess the characteristics for market sale, but from which excellent energy yields may be obtained. Downstream the cycle is concluded by reutilising the digestate on land intended for raising crops, thereby eliminating the use of synthetic fertilisers.

The SEBIGAS solution is a biogas plant featuring two primary digesters and a post-digester designed to digest pig manure and Napier grass, a tropical plant with low costs of cultivation and several harvests per year. The automatic feeding system minimises the need for the operator to be present in the plant.

**📍 LOCATION**

**CHIANG MAI (THAILAND)**

**⚡ INSTALLED POWER**

**1,487 kW**

**⬇️ INPUT RESOURCE**

**NAPIER GRASS AND PIG MANURE**

**📅 IN OPERATION SINCE**

**2014**

**🏠 LAYOUT**

**3 DIGESTERS**

