

CRESCENTINO FAST FACTS

The world's first commercial scale cellulosic ethanol plant is up and running. With a cost of € 150 million it will pave the way for one of the most sustainable alternatives to gasoline. Fuel made from agricultural waste is now a reality.



BETARENEWABLES



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Rethink Tomorrow



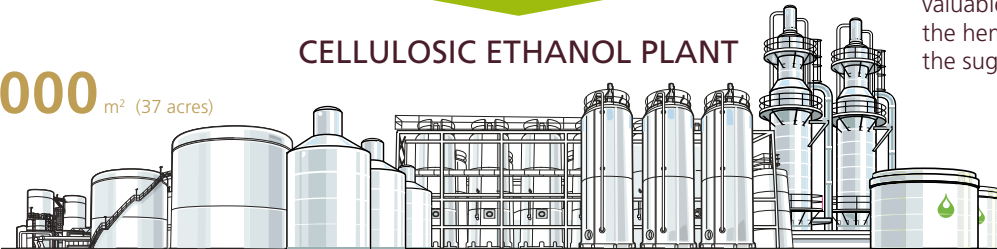
100% waste and energy crops

The Crescentino plant is a multi-feedstock cellulosic ethanol plant. It can handle agricultural waste from a broad variety of crops e.g. wheat straw and rice straw.

The plant also use energy crops like arundo donax (known as giant cane) as feedstock. The arundo donax is a high yield energy crop that can grow on marginal lands, providing an extra income to the farmers for many years.

Biomass to ethanol

The biomass consists of cellulose, hemicellulose and lignin. With a unique combination of the leading production technology and the most efficient enzymes, we are able to release the valuable sugars from the cellulose and the hemicellulose. In the fermentation the sugars are converted into ethanol.



- 100%** Water recycling
The industrial production carried out in the plant creates no reflux.
- 13 MW** Electricity production
13 MW, produced entirely from lignin. The plant is entirely self-sufficient in its energy consumption.
- 90%** Green house gas reduction
Cellulosic ethanol can reduce the CO₂ emissions by up to 90% compared with petroleum-based fuel.

Biomass supply radius: **70** km radius

