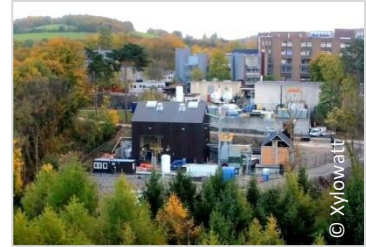


Belgium's first trigeneration unit powering a hospital site

Co-financed through the Belfius Energy Efficiency Package (BEEP)



Facts and figures



Total investment costs:

EUR 5,000,000



PF4EE loan amount:

EUR 1,490,000



Annual primary energy savings:

20,600,000 kWh

Belfius Energy Efficiency Package (BEEP)

Reducing energy needs, generating your own energy or switching to alternative energy sources? With the Belfius Energy Efficiency Package (BEEP), Belfius encourages institutions to invest in energy efficiency and renewable energy. As the only bank in Belgium, Belfius has an exclusive cooperation with the European Investment Bank (EIB) in the context of the Private Finance for Energy Efficiency (PF4EE) instrument, allowing Belfius to offer favorable lending conditions and flexible credit granting thanks to the EIB's portfolio guarantee.

Description of the project

Thanks to the installation of an innovative biomass gasification facility, the Hospital CHU UCL Namur in Mont-Godinne became Belgium's first hospital that is powered primarily by renewable energy. At the heart of the facility is a Xylowatt gasifier that turns waste wood into clean renewable gas. The technology is integrated in a cogeneration (2019) / trigeneration (2020) unit that has a capacity of 620 kW_e (electricity) and 1,780 kW_{th} (heating and cooling). The project is co-financed through BEEP.



The project generates renewable energy for:

✓ **50%** of the hospital's electricity requirements

✓ **90%** of hot water needs for sanitary use and heating

✓ **25%** of cooling energy needed for refrigeration circuits



Jürgen Bohn,
CEO of
Xylowatt



Xylowatt implemented a cutting edge environmental innovation project that allows the Mont-Godinne hospital site to reduce its CO₂ emissions by more than 3,000 tonnes a year.

Thanks to Belfius' Energy Efficiency Package, financing was available at a preferential rate.