

# Jette

## Belgium



The UZ Brussel Hospital of the VUB is an advanced energy island owning and running a state-of-the-art microgrid that can work in island mode for 5 consecutive days at full power . Renaissance will introduce the ABB digital smart Breaker and develop a digital twin of the hospital(HIL /Hardware in the loop testing of microgrid- and breaker control by SDM). In addition, the EnerJettic initiative will raise awareness among students about energy (electricity and heat) sustainability..

Owner	VUB Campus Hospital
Involved partners	VUB, ABB, SDM
Context	Urban, Micro-grid
Production	<ul style="list-style-type: none"> <li>Photovoltaic panels</li> <li>CHP and thermal cogeneration</li> </ul>
Storage	<ul style="list-style-type: none"> <li>Storage batteries</li> </ul>
Impact	+5% RES -11% LCOE 100 students involved
Target	Smart breakers Digital twin Higher safety
Community	Campus Students, hospital workers and employees, local investors



# Consortium