



Rehabilitation of the Maria Convent Building



Factsheet

Key figures:



€ 7.300.000

**Funding provided by
the European Union**



2,000 m²

Renovated space



**40 Desktop
40 Monitors
2 Servers**

IT Infrastructure



**4 Classrooms
2 Server rooms
1 Library
1 Aula
5 Study rooms
30 Office space for staff
1 Computer lab**

Functionality



What:

SISSTEM (Sustainable Island Solutions through Science, Technology, Engineering and Mathematics) is a groundbreaking program at the University of Aruba (UA). Funded by the European Union (EU), SISSTEM equips students with the knowledge and skills needed to address critical sustainability challenges faced by small islands.

Why:

Aruba is striving to diversify its economy and become less reliant on tourism and fossil fuels. SISSTEM directly addresses this goal by training future generations in sustainable development. SISSTEM graduates will be empowered to develop solutions that reduce dependence on outside expertise and promote local innovation.

How:

The United Nations Development Programme (UNDP) has played a key role in facilitating the program's expansion through the rehabilitation of the historic Maria Convent Building. Providing students with a modern learning environment and dedicated learning spaces

Where:

SISSTEM is housed at the University of Aruba in Oranjestad, the capital of a beautiful Caribbean island part of the Kingdom of the Netherlands.

Sustainability features:



Smart Climate Control:

HVAC systems automatically adjust for optimal conditions, minimizing energy use.



Smart Lighting:

LED lights with motion sensors cut energy consumption.



Energy-Saving Insulation:

Enhanced roof insulation reduces room temperature and energy needs.



Water Reuse

Captured condensation from air conditioning is used for lawn irrigation, minimizing reliance on fresh water