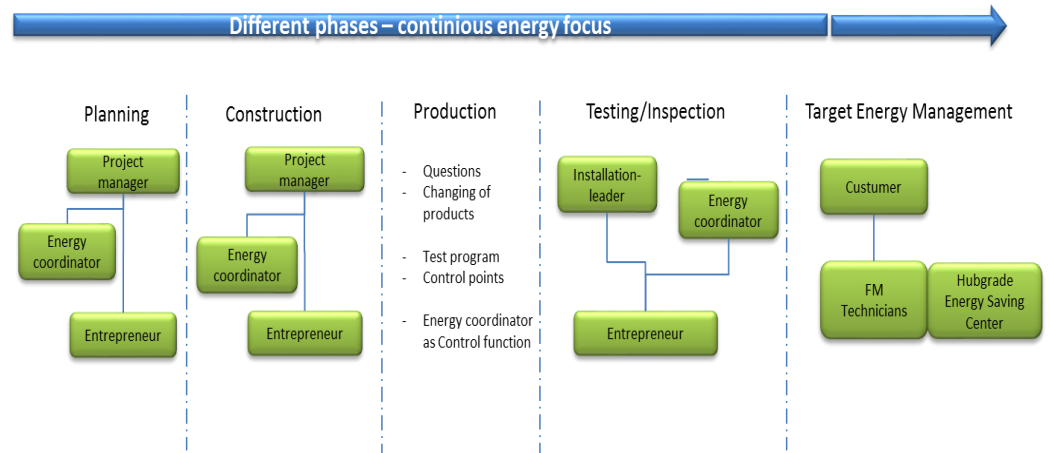


Energy Quality Assurance

A Low Energy District Solution

SMART SOLUTION 1: SMART BUILDING SHELL REFURBISHMENT



- Focus on energy savings throughout the building process
- Avoids delay in the building process by appointing an Energy Coordinator
- Avoids energy consumption increases due to staff changes within the project

Stockholm

- Technical partner: Veolia Sverige AB
Contacts:
- Christer faregard: christer.faregard@veolia.com
- Peter Andersson: peter.andersson@veolia.com

What is the solution?

By nominating an exclusive Energy Coordinator to follow the project in the construction/refurbishment phase, delays related to staff transitions are avoided. Based on earlier experiences, errors during planning and construction have been shown to lead to 10-20% extra energy consumption.

How does it work?

The role serves as an advisory role to the Project Manager but is not responsible for decision making. The Energy Coordinator ensures that the right techniques are chosen and put forward in the projection phase. The Energy Coordinator also ensures that the techniques are used optimally once the building process is concluded.

Integration with other smart solutions

Veolia is following the building process from its planning to its implementation phase, focusing on energy savings. The Energy Coordinator ensures that installed products are individually tested in order to ensure that they are operating efficiently.

By implementing this process alongside the Hubgrade - Energy Saving Centre, it is possible to ensure that the calculated energy use matches actual consumption.

Expected impact

This solution has a positive impact to the city in terms of the key GrowSmarter objectives e.g.:

- No delay in the building process
- Avoids a projected 10-20% energy consumption increase which would normally be expected due to errors during planning and construction
- Promotes sustainable economic development with less energy used

Potential for replication

Replication can be easily done by several operators and can be used in new production as well as in the refurbishment of all types of facilities.

About GrowSmarter

GrowSmarter (www.grow-smarter.eu) brings together cities and industry to integrate, demonstrate and stimulate the uptake of '12 smart city solutions' in energy, infrastructure and transport, to provide other European cities with insights and create a ready market to support the transition to a smart, sustainable Europe.

GrowSmarter Project partners



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no 646456. The sole responsibility for the content of this document lies with the author and in no way reflects the views of the European Union.