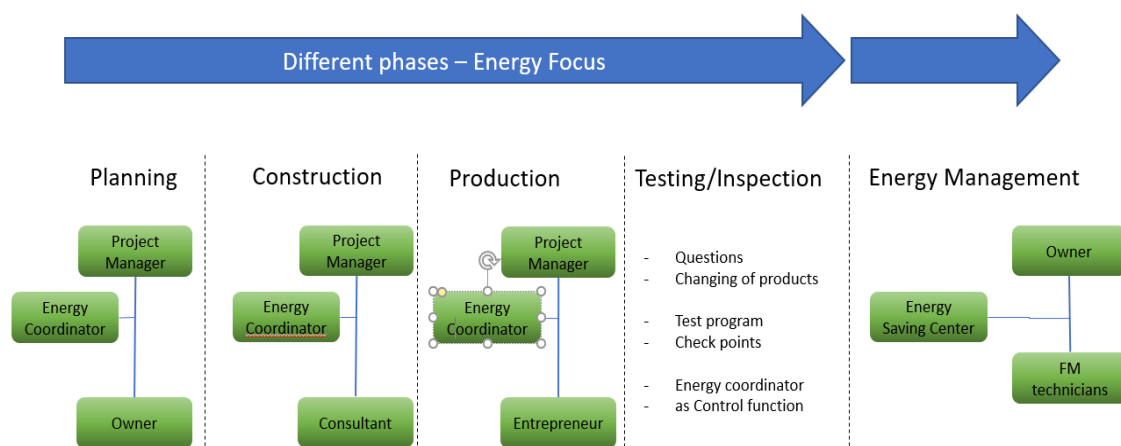


## Energy Quality Assurance



### PART OF SMART SOLUTION 1: EFFICIENT AND SMART CLIMATE SHELL REFURBISHMENT

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



LOW  
ENERGY  
DISTRICT

Stockholm

Technical partner: L&T FM AB

- Peter Andersson: [peter.andersson@l-t.se](mailto:peter.andersson@l-t.se)
- Jonas Norin: [Jonas.norin@l-t.se](mailto:Jonas.norin@l-t.se)
- Martijn Roobol: [martijn.roobol@l-t.se](mailto:martijn.roobol@l-t.se)



## What is the solution?

By nominating an exclusive Energy Coordinator to follow the project in the construction/refurbishment phase, gaps related to staff transitions are avoided. Information is normally not transferred between the phases. 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

L&T is following the building process from the initial planning through the 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 Energy Saving Center, it is possible to ensure that the calculated energy use matches actual use both at the end of the project and during the coming years.

## 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.