



THE SMART CITY
ALLIANCE

Execution is Everything



INVITATION

SMART CITY CHALLENGE

TERRACED HOUSING

DEVELOPING A COST EFFICIENT AND SCALABLE SOLUTION FOR
CONNECTING TERRACED HOUSES TO DISTRICT HEATING

HULL

4 JUNE, 2019 –09.00– 16.00

YOU ARE INVITED to a Smart City Challenge seminar organized in co-operation with Hull City Council. **The overall aim is to launch a process making it possible to offer convenient and affordable district heating to small scale residential housing areas.**

Terraced houses represent a significant share of the heat market in the UK. Currently available technologies and practices for distributing and connecting heat networks to individual houses are too costly to make district heating a viable alternative to existing gas-based solutions. Not being able to connect terraced houses to heat networks is a huge handicap, significantly hampering the expansion of district heating. We believe there are ways to overcome the cost challenges, thereby making it possible to connect terraced housing to heat networks on a big scale. Combined with heat pumps and smart technologies for managing the heat distribution we also believe it is likely to become commercially viable to connect terraced houses to other innovative infrastructure projects such as mine heat schemes or other sources of low temperature heat.

Considering the huge market potential, there is a strong interest for the supply chain to play an active role in the development of these solutions. For this reason, we are inviting professionals and companies in the district heating industry to a series of seminars and workshops which will be organised in different locations across the UK in the coming year. The first of these seminars will be held in Hull on 4th June.

BACKGROUND – DISTRICT ENERGY IN HULL

A new heat network is currently underway in the center of Hull providing heating to a substantial number of public, commercial and residential buildings.

The pipe systems will pass through a residential area consisting mainly of terraced houses, all of which are currently heated by gas. There would be numerous benefits of connecting these houses to district heating

- Big market for heat thereby speeding up the growth of the heat network
- Significant reduction of CO₂ emissions
- Reduced reliance on gas supporting energy security policies
- Reduction of imports of gas to the region – money previously spend on gas imports remains in the region generating investments and jobs
- Strong political signal to strengthening social welfare in the city
- Engaging broader public in the ongoing smart city transition in Hull

The Smart City Challenge Initiatives have the ambition to highlight specific hands-on challenges related to implementation of district energy, with the aim of transforming them into new business opportunities.

Major challenges can never be resolved in a day. Still, our basic belief is that the most efficient way of solving problems is to cooperate across the industry. Complex problems are often solved through the joint effort by best-in-class professionals. A focused sharing of competences and experiences leading to a solution combining a broad set of technologies and practices is what took us to the moon. We believe the same approach can be applied when addressing more modest, but equally critical challenges related to development and implementation of smart city energy systems.

The aim of the seminar is to launch a process involving the most innovative and progressive individuals and companies, all sharing the same impatient and stubborn attitude of dealing with challenges, and the strong belief that cooperation is the most effective way of building bridges to the future. The market potential for such systems is enormous, as are the rewards for the winners.

SEMINAR ORGANISED IN ASSOCIATION WITH



FEES

- Free of charge for local authorities and public stake holders
- £150 (excl. VAT) for local suppliers (max 2 participants per company)
- £450 (excl. VAT) for national & international suppliers (max 2 participants per company)

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