



THE SMART CITY ALLIANCE

Eco-governance in Practice



SMART CITY STOKE – SUPPLY CHAIN EVENT

SMART CITY STOKE

STATUS AND PRIORITIES IN THE ONGOING DEVELOPMENT
OF A SUSTAINABLE ENERGY SYSTEM FOR THE FUTURE

STOKE-ON-TRENT

26 OCTOBER, 2018 – 09.30 – 16.00

YOU ARE INVITED to a Smart City Alliance event in Stoke-on-Trent, aiming to bring the wider supply chain up-to-date on status and priorities in the ongoing transformation of the local energy system. Pipes are in the ground, now approaching future customers of heat. Parallel to the installation of the heat network other energy related investments are in progress – EfW, energy efficiency investments in buildings, solar panels and a fiber network to mention but a few.

At the same time, Stoke College in cooperation with Nordic Heat and partners to the Smart City Alliance, are now ready to launch the progress in the development of the Heat Academy in Stoke. The aim is to make Stoke a centre of training in district energy and other Smart City related solutions, also paving the way for attracting investments in developing the UK based supply chain.

All-in-all the ongoing and planned investments are good news for the supply chain, offering significant commercial opportunities for companies – both local and from other regions in the UK and beyond.

THE OBJECTIVE of the event on 26 October is to provide an up-date on status of the investment projects underway, and informing the supply chain on priorities for upcoming procurement activities. In addition we will present the Heat Academy and how companies can contribute in making this a centre of excellence.

REGISTRATION & QUESTIONS

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ORGANIZED BY



IN COOPERATION WITH





AGENDA

09.00 **REGISTRATION & COFFEE**

09.30 **INTRODUCTION – SMART CITY ALLIANCE & URBAN HEATING**

- Background, Scope and Objectives
- Building a Circular Economy - Now

SMART CITY STOKE

- Building a sustainable energy system
- Benefits beyond energy
- Political cooperation with City of Helsingborg
- Circular Energy System to create local jobs
- Smart Grids

PROJECT UP-DATE

- Heat Network and other Smart City programmes
- Priorities and opportunities for the supply chain
- Procurement platform – “Sinfra UK”

13.00 **INAUGURATION OF THE HEAT ACADEMY**

- Stoke College – providing training for the future
Carol Martin – SOT College
- LEP – supporting investments in Stoke
Julia Barder - LEP
- Supplier engagement – presentations
Logstor, Cetetherm, Noda
- International cooperation & Innovation
Peter Anderberg, Nordic Heat

HOTSPOT STOKE

- Business hub facilitating access to local partners
- City is supporting investments

CONCLUSIONS & NEXT STEP

- Calendar of Events

16.00 **END OF SESSION**



VENUE

Stoke College –Burslem Campus

Moorland Rd,
Stoke-on-Trent
ST6 1JJ



PRESS RELEASE

THE HEAT ACADEMY

STOKE-ON-TRENT – 9 AUGUST, 2018

HEAT
ACADEMY
STOKE-ON-TRENT



Professional & Technical
Education



THE SMART CITY
ALLIANCE

New Academy will heat up region's job prospects

Stoke on Trent College has announced it will open the UK's first national District Heat Skills Academy, training workers to deliver the UK's newest energy infrastructure.

Opening this September, the Academy will see Stoke on Trent College partner with national and international organisations and companies including Smart City Alliance, Nordic Heat, Öresundskraft, City of Helsingborg, Swedish Energy Agency, Logstor, Cetetherm and Noda. These partners will train staff and students to design, supply and install the £500 million investment in Stoke's future energy system over the next six years. The program involves the first sections of a future city-wide heat network, new Energy-from-Waste installation, geothermal heat sourcing and storage solution, high speed internet connection, solar and energy efficiency solutions in buildings.

The Burslem-based Academy will offer apprenticeships, full time courses and part time courses in building services, engineering, electrical installation, welding, plumbing, groundworks, highways maintenance and heating and ventilation.

Stoke-on-Trent is one of the first cities in the UK to start work on installing what will over time become a non-fossil, city-wide district heat network, with the first pipes laid last September. The low maintenance sustainable energy scheme will involve laying more than 18km of pipe to distribute heat from low or non-fossil sources, including industrial waste heat and deep geothermal.

Peter Anderberg, founder of Nordic Heat and Smart City Alliance, is one of the partners involved in the project. He comments: "The District Heat Network represents a huge investment in Stoke-on-Trent and a major step forward in the adoption of sustainable energy systems in the UK. Experiences from Scandinavia show that this will also have a major impact on boosting the local economy and creating new "green" career opportunities for young people."

"We will be working closely with the college, the city council and other partners to ensure that local companies in the supply chain can be part of this major infrastructure project. To do this, they will need to have the right people in place with the right qualifications, and this is where the District Heat Academy at Stoke on Trent College is needed. Stoke is in pole position to become a centre of excellence in district heating in the UK, thereby attracting further investments and generating opportunities to become a partner in similar projects across UK and beyond."

Kevin Smith, Director of Apprenticeships at Stoke on Trent College, adds: "We are working with Peter and other highly experienced Scandinavian professionals who are have pioneered the district network energy supply, with more than 50 years' experience.

These experts will pass on their skills and experience to college lecturers and teaching staff, so that we can train a whole generation of people in the skills needed to design, supply and maintain the new geothermal energy networks.”

He adds: “This brings huge opportunities for local people to work on the network not just here in Stoke-on-Trent, but throughout the UK and overseas.”

District Heat Networks are already popular in Nordic countries such as Sweden and Norway. The networks are intended to reduce carbon emissions and ultimately cut energy prices, as well as creating employment opportunities.

For more information, visit the [District Heat Skills Academy web page](#) at Stoke on Trent College’s website, or call the college on 01782 603626.

You may also contact Peter Anderberg (pa@heatnet.se) or Mark Woodward (mark.woodward@thesmartcityalliance.eu) at Nordic Heat/ Smart City Alliance.

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August 09 2018

College to train workers for UK's renewable energy future



Stoke on Trent College has announced that it will open the UK's first national District Heat Skills Academy to train workers to deliver the UK's newest energy infrastructure this September.

In concert with its partners – Nordic Heat Network, Smart City Alliance, Swedish Energy Agency, City of Helsingborg, LOGSTOR, Cetetherm and NODA – the College will train students to design, supply and install £500m investment in Stoke's future energy system in a five year project.

Peter Anderberg, founder of Nordic Heat Network and Smart City Alliance, said: "The District Heat Network represents a huge investment in Stoke on Trent and a major step forward in the adoption of sustainable energy systems in the UK. Experiences from Scandinavia shows that this will also have a major impact on boosting the local economy and creating 'green' career opportunities for young people."

The scheme covers the installation of a future city wide heat network, new energy-from-waste processes, geothermal heat sourcing and storage solution, high speed internet connection, as well as solar and energy efficiency in buildings.

"We will be working closely with the College, the city council and other partners to ensure that local companies in the supply chain can be part of this major infrastructure project. To do this, they will need to have the right people in place, with the right qualifications, and this is where the District Heat Skills Academy at Stoke on Trent College is needed."

The director of apprenticeships at Stoke on Trent College, Kevin Smith added: "We are working with Peter and other highly respected Scandinavian professionals who have pioneered the district network energy supply, with more than 50 years experience." "These experts will pass on their skills and experience to college lecturers and teaching staff, so that we can train a whole generation of people in the skills needed to design, supply and maintain the new geothermal energy networks."



BACKGROUND

There is an urgent need to speed up the implementation of solutions and systems enabling cities to fulfil future requirements on welfare and sustainability. Going it alone is often very costly, risky and time consuming when it comes to investments in large scale infrastructure. Cooperation is a must to reach the future in time. Sharing investments in innovating and trying out new technologies is increasingly important to keep costs down. Exchange of best practice, successes and failures has always been the approach of winners. As has the ability to standardise, replicate and continuously improve. The Smart City Alliance has been established to provide an effective platform for such cooperation.

MISSION

To form an international alliance of cities that are determined to be global frontrunners in developing Smart City infrastructure solutions thereby meeting the urgent demands to establish long term sustainable, reliable and competitive services to its citizens.

The network exists to promote peer to peer learning and foster collaboration with cities internationally who share the vision of the benefits that can accrue if Smart Cities principles are adopted.

The Smart City Alliance is not about visions and discussions. Focus is on actions, swift delivery and practical results. To become involved in the Smart City Alliance, cities must have some very concrete objectives and investment plans in smart city systems and solutions. Partners must also be willing to actively contribute in the process of making all members of the alliance global references as truly smart cities for the future.

In order to fulfil its ambitions, the alliance also aims to attract active involvement from relevant public institutions, industry associations as well as to establishing close cooperation with best-in-class suppliers of technologies, systems and services.

Being Smart is not about technologies as such, but rather what can be achieved as final output in terms of social welfare, opportunities, a thriving local economy and sustainable ecology. Our ultimate aim is to provide vehicle for those willing to join the journey towards this future.

OBJECTIVES & FOCUS AREAS

FACILITATE MARKET ACCESS

Direct access to customers/ projects
 Local clusters with neighbouring cities
 International partnerships

REDUCE COSTS

Development & Procurement
 Standardisation & Replication
 Operations & Maintenance

INCREASE REVENUES

Competitiveness & Differentiation
 Convenience & Reliability
 Expand revenue base

DRIVE INNOVATION

Exchange of best practice
 Joint innovation projects
 Benchmarking and Training

SMART CITIES



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