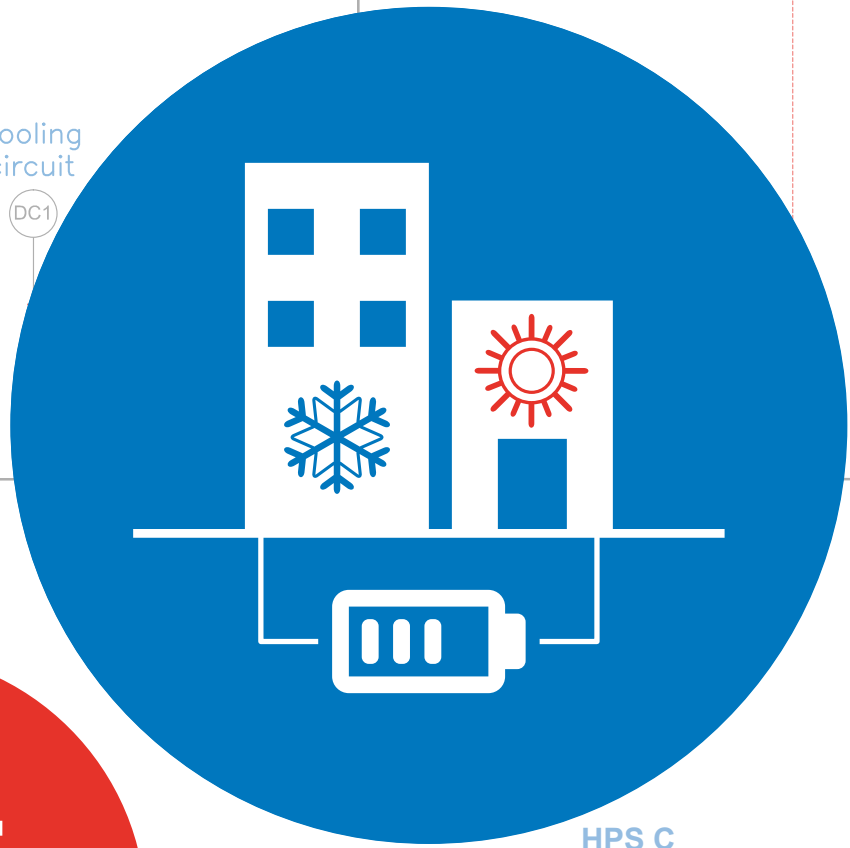


cooling circuit

cooling circuit



HPS C

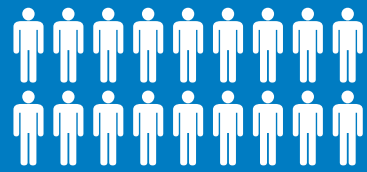
cooling circuit

heating circuit

**IF TECH**

## IFTECH

NUMBER OF IFTECH SPECIALISTS



**15** YEARS OF EXPERIENCE WITH GEOTHERMAL ENGINEERING



**40+** PROJECTS IN EUROPE



CURRENTLY INSTALLED GEOTHERMAL CAPACITY

**20,000** KILOWATT

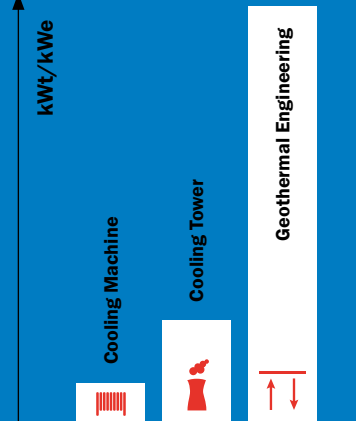


IFTECH REALIZES AN ANNUAL REDUCTION IN CO<sub>2</sub> EMISSION OF

**↓ 4,000** TONNES

## GEOTHERMAL

COOLING EFFICIENCY:



POTENTIAL THERMAL ENERGY STORAGE PER HECTARE:

**7,000** MWh



ANNUAL STORAGE EFFICIENCY

**90%**

### IFTECH-HPS



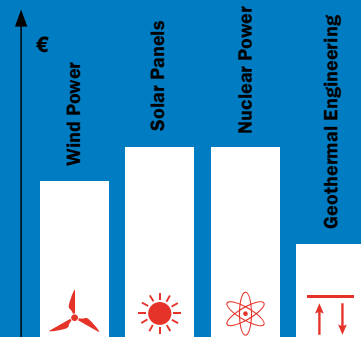
**12** WEEKS FROM INITIAL DRILLING TO SYSTEM START-UP



MINIMAL SPACE REQUIREMENT

**20m<sup>2</sup>**

### INVESTMENT



INVESTMENT COST PER MW

### SAVING



WITH GEOTHERMAL ENERGY YOU WILL SAVE:

**↓ 90%**

ON ELECTRICITY WHEN COOLING

**↓ 30%**

PRIMARY ENERGY WHEN HEATING

**↓ 60%**

TOTAL SAVING ON PRIMARY ENERGY

IFTech is an innovative company and pioneer in seasonal energy storage. With over 15 years experience in groundwater engineering, heat pump technology and the design and development of geothermal plants we offer a wealth of know-how together with a well-established network of partners in both the EU and US. In addition, we provide an extended warranty on the performance of all of our products offering piece of mind.

### FROM DESIGN TO IMPLEMENTATION

Working with our partners within the IF Group of companies we put our extensive best-practice knowledge in geothermal energy storage at the disposal of our clients to develop tailor-made solutions to optimize the energy performance of their business. At IFTech we cover all stages of made-to-measure geothermal energy solutions: from conception and design to operation and maintenance.

### IFTECH-HPS: PROVEN INTEGRATION AND STANDARDISATION

With over 15 years of experience we offer maximum standardization and prefabrication, materializing in the IFTech-HPS: a standard hydraulic interface connecting the underground, the heat pump and the building's HVAC-system. This enables us to guarantee a fast and fault free startup of your plant. Within 12 weeks we progress from the initial drilling to the activation of the plant. The IFTech-HPS' reputation as an extremely reliable and highly efficient system is due to it combining optimal energy management with minimal space requirements. The technical installation can require as little as 20m<sup>2</sup>.



### ECOLOGICAL AND FINANCIAL GAIN

Seasonal energy storage is not only a sustainable and ecological option, but also financially cost effective. On average these systems offer a saving of 90% on electricity compared to conventional cooling systems and 30% on primary energy when heating. Furthermore all our storage units and installations comply with the EPB regulations and meet current EU 20/20/20 targets.

### GROWING DEMAND FOR COOLING

Unlike most technologies which focus mainly on heating, IFTech's shallow geothermal system combines both heating and cooling making it ideally suited to current trend of a growing demand for cooling systems. Buildings with high requirements for both cooling and heating; like new build residential developments, hospitals, care homes, museums, office blocks and large industrial complexes are the perfect match for IFTech's geothermal technology.

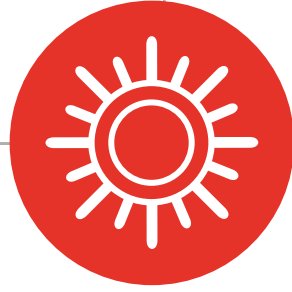
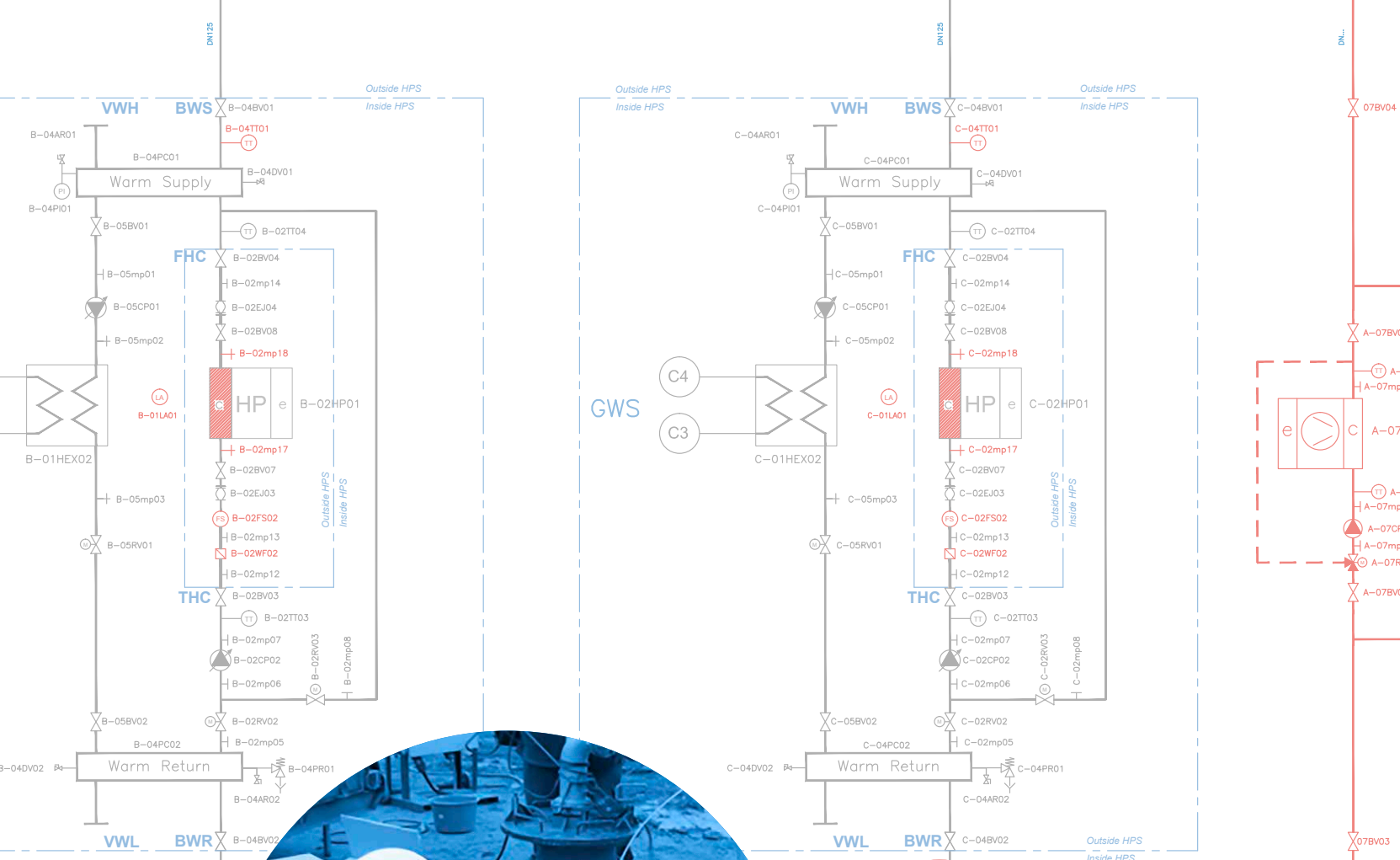
### WOULD YOU BENEFIT?

Would you like to hear more about the options for your company or building? Give us a call on +44 (0) 11 33 66 30 40 or send a mail to mail@iftech.co.uk. For more information please check our website: www.iftech.co.uk

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