Kyoto heatcube San Marino

What is Kyoto's heatcube?

Experience a transformative edge with Kyoto's Heatcube as we introduce real-time monitoring and controlthrough digital innovation. Kyoto's DataOps platform,powered by Cognite Data Fusion®,brings a new era of operational excellence,reducing operational expenses and offering state-of-the-art preventive and predictive maintenance.

Is Kyoto heatcube ready to supply process heat?

Kyoto Heatcube is ready to supply process heatfor industry now. Some fuels,like green hydrogen and green ammonia are better suited to supply the needs of transport and aviation. Lithium-ion batteries are very efficient for power companies and cars. None of these are likely to ever generate process heat. Electrification is the way forward.

Does Kyoto Group have a heatcube pipeline?

Kyoto Group has a large and growing pipeline of potential industrial customers exploring the Heatcube. Kyoto has signed several letters of intent and expects to sign more in the near future. The commercial pipeline covers multiple industries, including food and beverages, pulp and paper, corrugated cardboard, chemicals, and combined heat and power.

Heatcube uses a well known resistive heater technology, and stores energy from heat at up to 90% efficiency. Plug and play Heatcube can produce saturated or superheated steam, according to customer requirements, and plug into existing pipes currently in place at your site.

Kyoto Group"s Heatcube, a thermal energy storage (TES) solution, provides a sustainable and cost-effective alternative by capturing and storing abundant but variable energy from sources such as solar and wind.

With Heatcube, we are utilizing the increasing price volatility in the power markets to store energy in hours with high renewable production and low prices. When charging Heatcube with cheap electricity from excess renewable power production, we can deliver renewable heat whenever needed at a very low cost.

A thermal battery to solve a thermal problem. Kyoto"s Heatcube replaces oil, gas or diesel burners currently on site, and is charged using electricity. Plug and play. Heatcube connects to the steam pipe you are already using. Easily installed, easy to connect and scalable to your needs. A secure supply of heat in a plug and play fashion ...

A cogeneration facility generates both heat and power, enabling more efficient energy use. The Heatcube will provide a renewable solution for heat generation at the client"s facilities in Spain, giving a competitive advantage for the client"s operation.

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At Kyoto Group, we based Heatcube on this proven technology and scaled it down to make it available for industrial production facilities. Heatcube consists of steel, salt and steam With molten salt, Heatcube can provide saturated or superheated steam between 170°C and 400°C. And since we designed Heatcube to be modular and

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