



Thermal solution

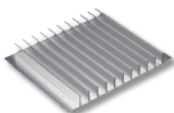


Thermoelectric Modules

—
Z-MAX Co., Ltd.



Press working / Sheet metal working



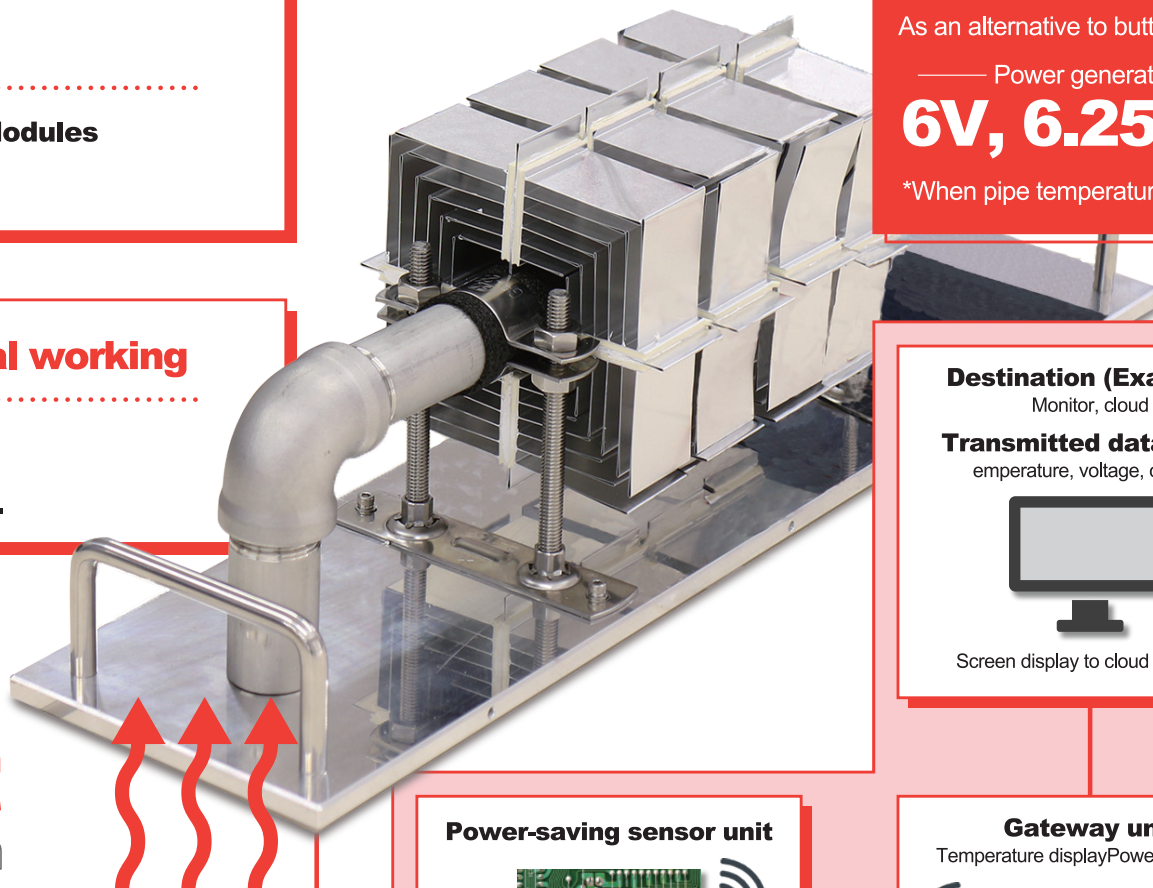
Heat Sinks

—
Saijo inx Co., Ltd.

Exhaust Heat Power Generation System

Concept Model

shisaku



Factory equipment

As an alternative to button batteries

—— Power generation ——

6V, 6.25mW

*When pipe temperatures is 100°C

Destination (Example)

Monitor, cloud

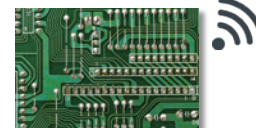
Transmitted data (e.g.)

temperature, voltage, current



Screen display to cloud API, etc.

Power-saving sensor unit



EL-OKAMOTO Co., Ltd. / Glovese Co., Ltd.

Gateway unit

Temperature display Power indication



Power generation using the temperature difference between pipes and outside air

Power generation system using temperature difference. Although the amount of electricity generated is minimal, the system can be used semi-permanently as long as a heat source can be secured. Kyoto Shisaku Net proposes to reduce the overall cost of the system by using existing material and technology and by not prioritizing performance and efficiency.