

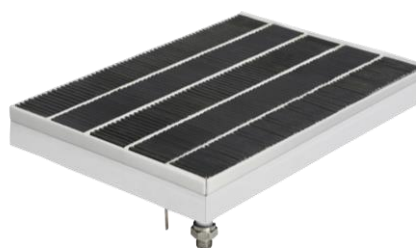
Thermagem™ 200 W power panel

“A solar panel for heat”

Features	Application
<ul style="list-style-type: none"> Suitable as a multifunctional heat exchanger for thermal radiation heat sources of 700°C - 1200°C Heat panels with integrated water-cooling; Simple pressure-less mounting and suitable for atmospheric conditions No moving parts or maintenance required Extremely stable and robust design, proven silicon materials 	<ul style="list-style-type: none"> Thermagem™s “solar panel for heat” combines energy production with significant operational benefits, for use in high temperature process industries, e.g. steel, glass and heat processing industry; High yield energy savings of electricity and useable heat, and process improvement options (e.g. increase of process yield by applying controlled cooling) Secured economic justifications with returns well above 15%



High temperature process industry



Thermagem™ 200W power panel

Use the Thermagem panel as a heater for controlled cooling/heating

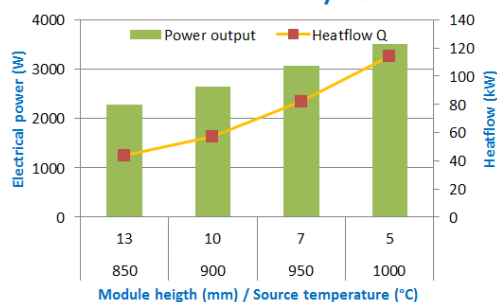
Did you know?

ΔQ of 10 kW/m² possible for controlled cooling while power is being generated.



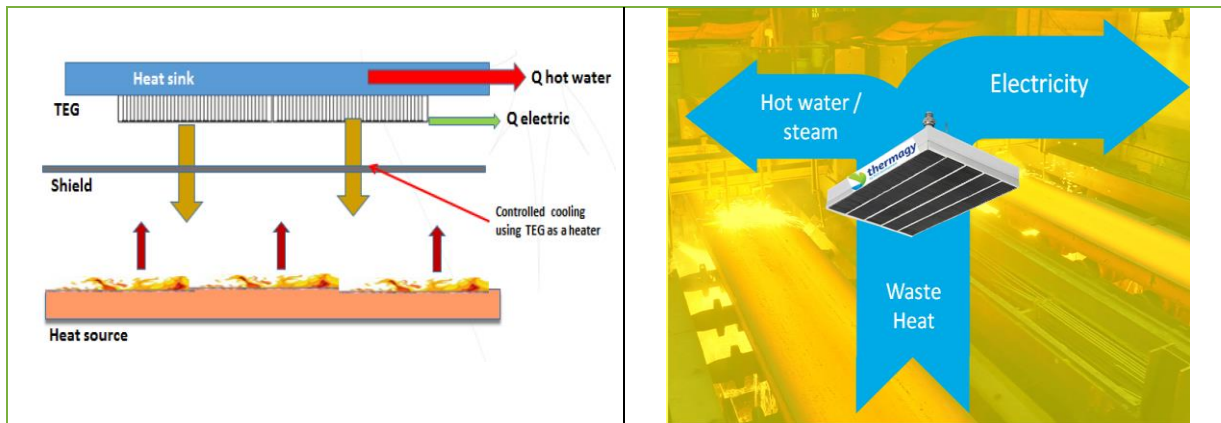
Thermagem application controlled cooling/heating

Radiation 1 m² system



Typical Thermagem™ benefits

The first viable thermoelectric solution for high temperature heat



*Energy savings to reduce fossil fuel consumption
(Possible heat flow tuning to improve process yield)*

References

	
<p><i>Development partners</i></p>	<p><i>Waste heat recovery customers</i></p>

Services

<i>Prototyping</i>	<i>Series supply</i>
<p>300x200 panel : € 1500/pc, excl. VAT and delivery Engineering, testing, integration services on request</p>	<p>Initial range 3-5 €/W Longer term/volume range 2-3 €/W Integration cost range 1-2 €/W (at integrator)</p>

Technical data

Technical data sheet available at www.rgsdevelopment.nl



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