

# Raychem

## Energy Efficient Winterisation & Process Temperature Maintenance Systems for New Build & Refurbishment Projects

Raychem provides a strong track history of high quality trace heating system solutions utilising self regulating heater technology. These energy efficient, safe and reliable solutions include:

- Single pipe DHWS temperature maintenance system
- Frost protection for pipes
- Snow & ice prevention for ground surfaces (ramps, accessways & walkways)
- Ice prevention for gutters & drainpipes

Each product is complimented with a complete accessory range including:

- Connections & termination devices
- Installation & fixing accessories
- Advanced system control & monitoring devices
- Integrated electrical safety & control panels for multiple circuit systems

## Engineering Services

The Raychem product range also comprises a range of FREE tools to support building services engineers throughout the design, development, and system specification process:

- The Raychem "Engineering Toolbox" - [www.tycothermal.com/toolbox](http://www.tycothermal.com/toolbox)  
A complete range of the latest system selection, design and specification tools available online
- The "Raychem Academy" - [www.ttc-academy.com/toolbox](http://www.ttc-academy.com/toolbox)

An online learning and resource centre to support engineers with product information, system selection and case studies to exemplify the application. The tool also includes CPD learning modules enabling professional development anytime, anywhere



- Free registration & use of the online design software tool - TraceCalc.Net Construction
- Complete materials "take-off" from building design drawings, bill of materials production & budgetary quotation. Simply send us your CAD drawings & we'll provide the rest
- Free Winter Audit for Facilities Managers - [www.tycothermal.com/winter](http://www.tycothermal.com/winter)  
Let Raychem ensure your building is protected from harsh winter conditions

## A New Light on Energy Efficiency & Carbon Emissions Reduction

Self regulating technology is a big step towards energy consumption reduction with cables reacting to environmental temperature changes to deliver only the power required. Further system refinements have been developed to reduce energy consumption from such systems. System specific control and monitoring devices can provide significant carbon savings as well as financial benefit. Such control solutions include:



**HWAT-ECO** Control of hot water systems - economy settings, "Tap time" programming, and boiler output monitoring offer savings of up to 50% on Standard systems.

**RayStat-ECO-10** Pipe frost protection control with integrated Proportional Ambient Sensing Control (PASC). The PASC system can generate energy savings of up to 80% compared with standard ambient temperature control systems.

**VIA-DU-20** Surface heating control system - The multi-sensor control system provides advanced surface heating control, saving up to 80% energy compared to conventional ground temperature or ambient sensing devices.

**EMDR-10** Gutter protection control system - The multi-sensor control system monitors ambient temperature and moisture in drain or gutter. The system has demonstrable savings of up to 75%.

**SBS Panels** - The range of integrated electrical safety and control panels provide a total solution for multiple circuit installations. The control panels include all electrical safety devices and connection terminals for bespoke systems whilst incorporating smart control technology for maximum energy efficiency.

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# Trace Heating Systems

**Raychem**  
Is your building ready for next winter?

Request a **FREE WINTER AUDIT** of your building at [www.tycothermal.com/winter](http://www.tycothermal.com/winter)

**tyco** Thermal Controls  
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**Raychem** WELCOME TO THE ENGINEERING TOOLBOX

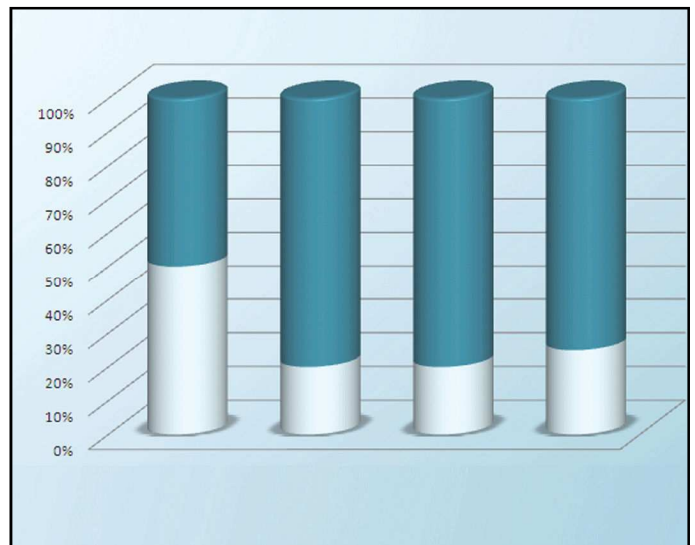
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Carbon reductions of up to 80% with smart control

