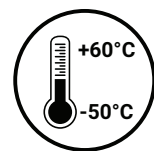


# Elexant 5010i heat trace controller

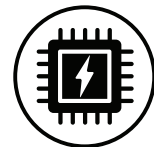
**Raychem**

A single-circuit electronic heat trace controller with central monitoring capabilities for full visibility, data analytics and reduced field interventions in hazardous area. Explore the successor of our Raychem NGC-20 controller.



## Proven design. Now for even more extreme environments.

- Based on the successful NGC-20 controller with large base in operation since 15+ years
- Certified for hazardous areas
- Ambient temperature:  $-50^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- Control temperature:  $-200^{\circ}\text{C}$  to  $+700^{\circ}\text{C}$ , supporting cryogenic applications.



## Faster operation. Higher accuracy. Future proof.

- Faster processor. More memory. IIoT ready.
- Measures current, voltage, ground fault, temperature, power usage
- Sensitivity to 0,1A for short instrumentation lines
- Digital IEC 61508-SIL 2 safety temperature limiter
- Input for 2 control sensors + 1 limiter sensor
- Hybrid switching relay (SSR + EMR) for longer life



## Easier installation. Secured configuration.

- Data secured, password protected configuration with new Raychem Elexant Connect mobile App
- Intuitive User Interface
- Improved Bluetooth connection
- Power daisy-chain capability reduces power infrastructure cost



## Full connectivity. Anytime. Anywhere.

- Seamless integration with existing Elexant controls, Raychem Supervisor and client DCS system
- Automated heat trace self-test check, real-time monitoring, data-analytics and alarm management reduce manual field interventions

From the inventor of self-regulating heating technology



- **Global leader** in electric heat tracing
- **75Y** expertise in polymer material science
- **50+Y** in self-regulating technology
- **600.000 km** cable sold since 1972

Elexant 5010i, building on the legacy of NGC-20

	NGC-20	Elexant 5010i
Controller	Single circuit field controller	Single circuit field controller
Ambient T range	-40°C to +57°C	-50°C to +60°C
T range control unit	-200 to +700°C	-200 to +700°C standard with low T cut-off setpoint
Accuracy	Sensitivity to 0,3 Amps	Sensitivity to 0,1A for short instrumentation lines
SIL limiter	Analog	Digital / Higher accuracy, stability, repeatability
Communications	RS-485, Bluetooth (3m-5m)	RS-485, Bluetooth (BLE / 8m-10m) Password protected. Data Secured.

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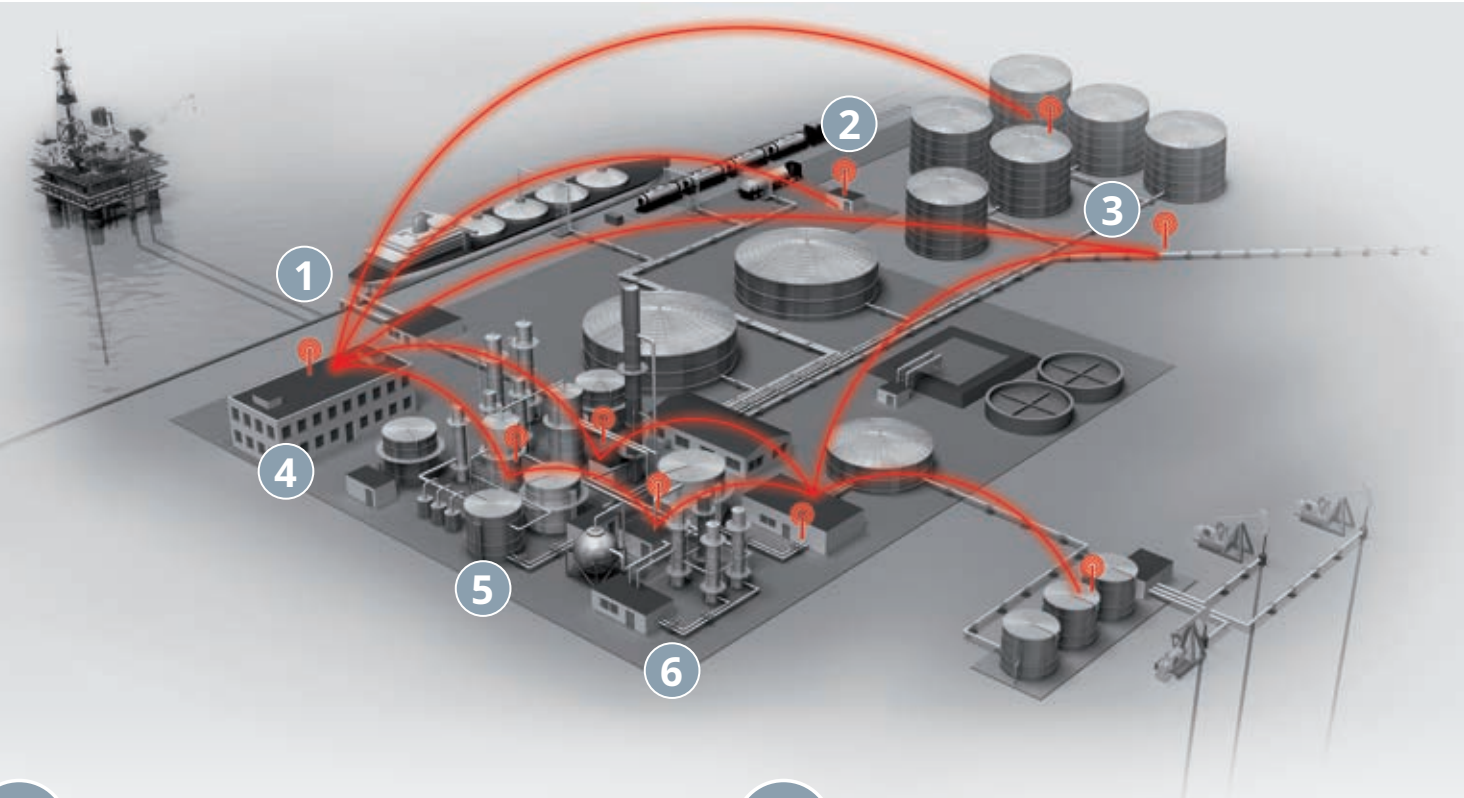
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infoAPAC@chemelex.com

Broad range of control & monitoring solutions



1

**Raychem Supervisor**  
Remote monitoring & configuration of heat tracing circuits (alarm logging, trending, reporting, data-analysis)

2

**Connectivity**  
Hardwired or wireless connection of all components for full heat trace visibility over entire facility

3

**Raychem Pipeline Supervisor**  
Remote monitoring of long pipelines with critical fluids, utilizing Distributed Temperature Sensing data from fiber optic sensor

4

**Multi-circuit safe area panels**  
Located in substation configuration & monitoring via local User Interface and integration to DCS, or Raychem Supervisor

5

**Single-circuit field control**  
Configuration & monitoring via User Interface / Tablet

6

**Multi-circuit field panels**  
Configuration & monitoring via local User Interface and integration to DCS, or Raychem Supervisor