



## Temati Drainplug Water Indicator (TWI)

### CUI detection:

To date, the best and most reliable method to find CUI is visual inspection, done by removing insulation. However, this method has a huge costs impact on maintenance and inspection budgets because of scaffolding.

Although the presence of water/moisture in an insulation system is a strong indication of CUI, it for sure indicates deterioration of insulation material and loss of thermal properties. In summary, these are two reasons not wanting water or moisture ingress in an insulation system.



### The Solution:

Temati Drainplug Water Indicators (TWI) in combination with other forms of NDE inspections, can provide data to narrow down risk areas and plan more economical these visual inspections. Further to this, it gives clear indications that insulation system performance is decreasing and closer examinations are required to find the exact point of water/moisture ingress.

### Product specification

The TWI Drain Plug is made of tough, electrically conductive, all-weather polyamide material.

In case of water/moisture ingress into an insulations system, it will follow a way to the lowest point within this system. Locations to install TWI plugs should be subject to assessment to determine critical or susceptible areas. When water/moisture drains through the plug into the collector, the unique patented water sensitive ball will expand and activate the orange indicator. The water sensitive ball can dry out which makes it reusable.



Ball in dry condition



Ball in expanded, wet condition

Material	All-Weather Polyamid
WATER SENSITIVE BALL:	Expanding Elastomer
Time before indicating	24 - 48 hours, depending on temperature
Dimensions	H = 42,7 mm, Ø = 34 mm (OD), t = 2 mm
Operational temperature	0 - 150 °C
UV resistance	Excellent
Weather resistance	Excellent