

SIGNAL LONG RANGE™



AUTONOMOUS CONCRETE MONITORING THAT GOES THE DISTANCE.

LONG-RANGE CONCRETE MONITORING. ZERO HASSLE. MAXIMUM FLEXIBILITY.

ONE DEVICE, COMPLETE SITE COVERAGE

- Up to **29** hectares of coverage (~**41** football pitches).
- Up to **300** m range.
- Place it once, no need to move it, no hassle.
- Perfect for large infrastructure, data centres, utilities, tunnels, bridges, you name it.

REMOTE CONVENIENCE

No daily site visits, no weekend labour. Automatic monitoring saves time and cost. You kick back, we've got this.

FULLY EMBEDDED

Set it and forget it. No trailing cables, no trip hazards, no breakage risks.

SECURE FIT, RELIABLE PERFORMANCE

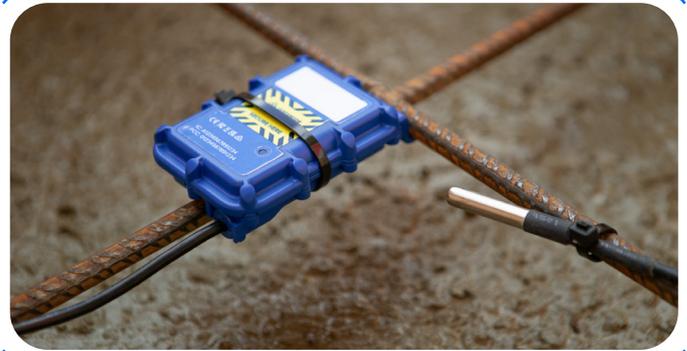
Innovative attachment method prevents rotation on rebar, ensuring consistent, trustworthy performance.

MORE DATA PER EMBEDDED DEVICE

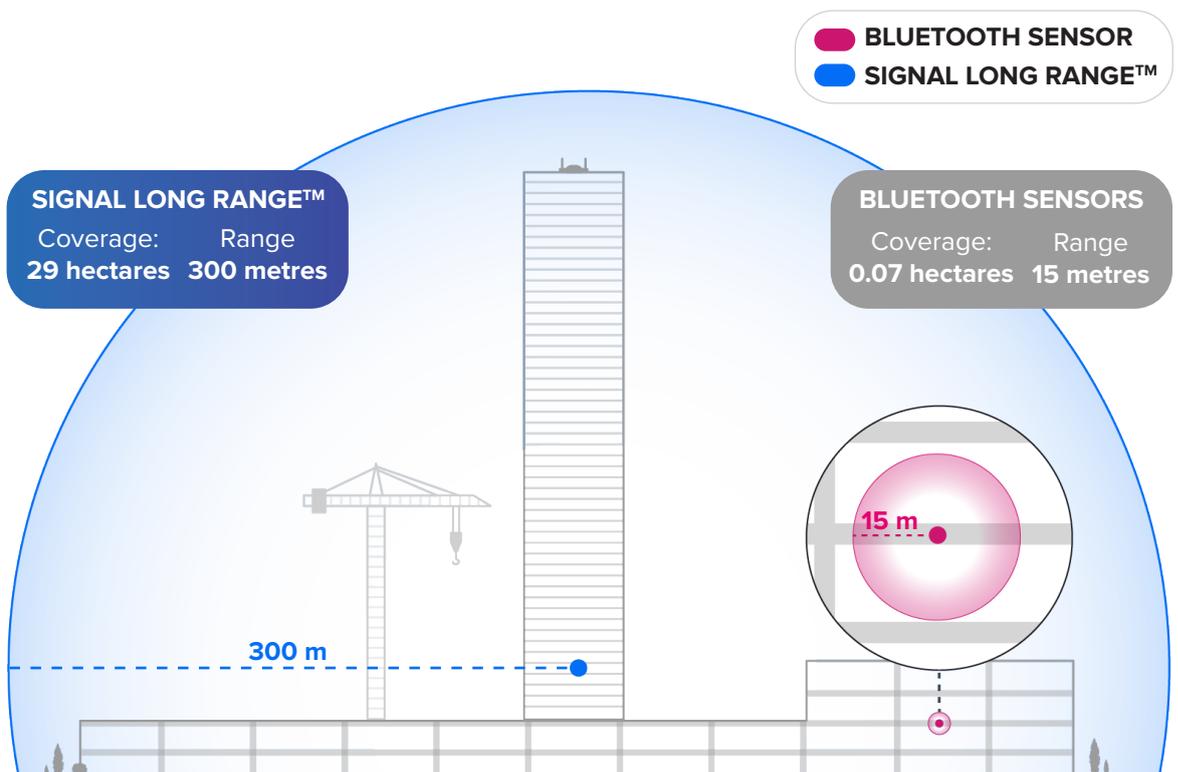
Multi-probe tails provide more measurement points per embedded device than the competition.

ULTRA THIN DESIGN

The slimmest sensor profile on the market, delivering reliable data even in low-cover concrete.



41
FOOTBALL
PITCH
COVERAGE



UNPARALLELED FLEXIBILITY

PLUG & PLAY WITH SIGNAL LONG RANGE+™

The Signal Long Range+™ connector is compatible with all Converge Thermal Tails™, offering up to 4 measurement points per device. Converge uniquely offers custom Thermal Tail™ lengths upon request, ranging up to 29m (95ft), the longest digital probes available for concrete monitoring. Signal Long Range+™ is the most configurable embedded system available yet.

	THERMAL TAIL™	MEASUREMENT POINTS
Signal Long Range+™	with Single Probe Thermal Tail™	2: Sensor (1) + Probe (1)
	with Multi-Probe (2x) Thermal Tail™	3: Sensor (1) + Probe (2)
	with Multi-Probe (3x) Thermal Tail™	4: Sensor (1) + Probe (3)

SIGNAL LONG RANGE™

Choose between pre-configured 2- or 3- measurement points per device.

	MEASUREMENT POINTS
Signal Long Range™ with fixed Single Probe	2: Sensor (1) + Probe (1)
Signal Long Range™ with fixed Multi-Probe	3: Sensor (1) + Probe (2)

SIGNAL LONG RANGE+™



HIGHER ACCURACY

Our digital sensors deliver $\pm 0.5\text{ }^{\circ}\text{C}$ ($\pm 0.9\text{ }^{\circ}\text{F}$) precision, exceeding the **ASTM C1074 $\pm 1^{\circ}\text{C}$** ($\pm 1.8\text{ }^{\circ}\text{F}$) requirement and outperforming non-compliant thermocouples ($\pm 1.5\text{ }^{\circ}\text{C}$ / $\pm 2.7\text{ }^{\circ}\text{F}$).

ALWAYS ON. ALWAYS IN RANGE.

Mains Power. Solar Power. 12V Vehicle Adaptor. With a range of powering accessories, the Converge Gateway adapts to your site, not the other way around.



ConcreteDNA
mobile app for manual data collection



Converge Gateway™
formerly Helix Hub

300 METRE RANGE
29 HECTARES

Multi-Probe Thermal Tail™

