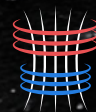


Subterranean innovation

Efficient pipeline management



Subterranean innovation



IPP's high-power wireless charging technology enables continuous, autonomous pipeline inspection without human intervention.

Traditional pipeline monitoring relies on manual inspections or tethered pipebots, limiting coverage, increasing operational costs, and exposing personnel to hazardous environments.

IPP's contactless high-power charging enables pipebots to operate autonomously for extended periods, supporting continuous in-pipe inspection, mapping, and blockage detection. The result is improved asset visibility, lower operating costs, and enhanced safety.

TECHNOLOGY ADVANTAGES

Zero moving parts create high reliability for devices that may be inaccessible for significant periods of time once deployed.

Projects power through non-conductive materials, allowing power to be delivered through walls and enclosures with no penetration, preserving ATEX-rated or hazardous area integrity.

Capable of 10 kW+ of power transfer, supporting fast charging for anything from low-power sensors to industrial-scale power requirements.

Operating at 13.56 MHz minimises efficiency loss (98% efficiency ring to ring). Transmission to nearby metallic components or objects is negligible.

Transmitter and receiver coils can be flexible in terms of shape, size and arrangement (concentric chargers available), allowing high-power wireless charging installation through non-conductive pipe walls or manhole covers.

Bi-directional power and data transfer capability.

To discuss a specific application or mission requirement, contact us.

✉ sales@inductivepowerprojection.co.uk

☎ +44 (0)7730 608929

🌐 inductivepowerprojection.co.uk

