OSPREY MEASUREMENT

# RAPID DEPLOY

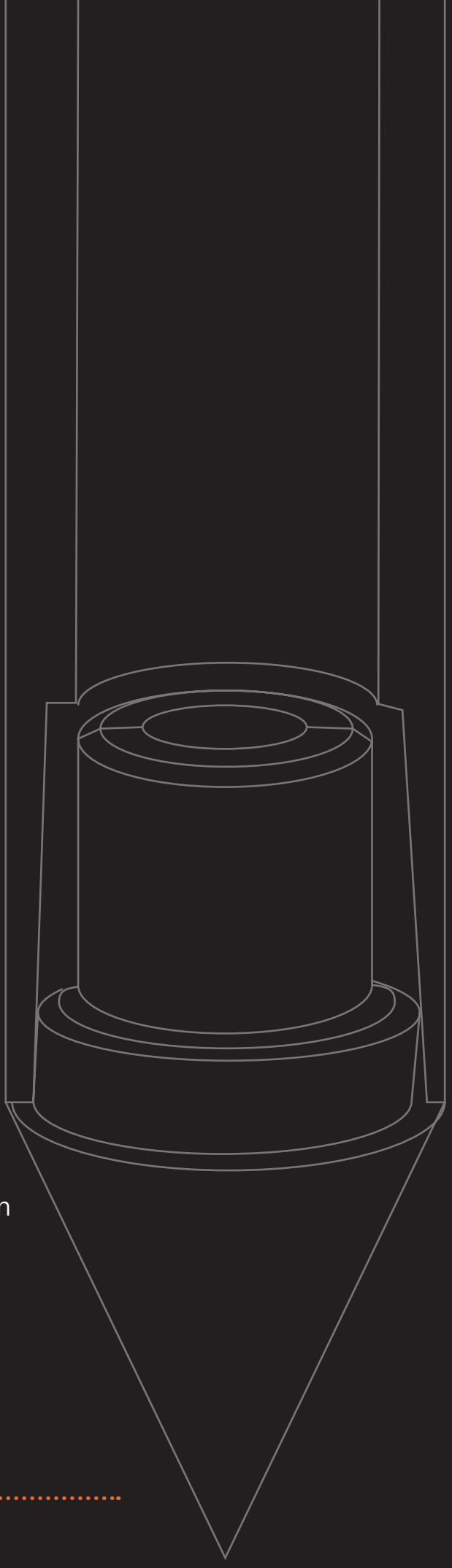
# RDI
# RDX

RDI NCLINATION
RDX EXTENSOMETER / SETTLEMENT

## A NEW GENERATION OF GEOTECHNICAL INSTRUMENTATION

Osprey's Rapid Deploy system enables installation of pre-assembled Inclinometer and Extensometer arrays in minutes, not days, as part of standard Ground Investigation workflows.

## DRILL-FREE, GROUT-FREE, IN-GROUND INSTRUMENTATION



OSPREYMEASUREMENT.SYSTEMS

# RAPID DEPLOY

## RDI | RDX INCINOMETER | EXTENSOMETER

### SUBSURFACE MONITORING, RE-ENGINEERED FOR SPEED AND ACCESS.

The Osprey Rapid Deploy system enables the installation of pre-assembled Inclinometer and Extensometer arrays in minutes, not days, as part of standard Ground Investigation workflows.

Achieve automated monitoring of vertical and lateral ground movements more than six times faster than regular drill and fill techniques. The system is engineered for drill-free, grout-free deployment, using displacement rather than void-forming methods. This design eliminates spoil and the requirement for grouting materials, drastically reducing time and material costs while mitigating performance inaccuracies commonly associated with inadequate grout application.

### ENGINEERED FOR REMOTE ACCESS AND CHALLENGING ENVIRONMENTS

The system's Low Profile design facilitates seamless installation within standard sampling rods. This integration, combined with its highly portable form makes the Rapid Deploy system the definitive solution for challenging access areas and short site possessions. Designed for swift, low-cost deployments and installation in remote access environments via RRV (rail road vehicle) or excavator arm-mounted CPT rigs, bringing high-value, sub-surface data to locations previously inaccessible to conventional drilling rigs.

### KEY FEATURES

- Preassembled Inclinometers and Extensometers for rapid deployment
- Low Profile for installation within standard MOSTAP rods
- Hand portable - 25m delivered as 11.5kg/ 600mm coil
- High precision measurements in minutes, not days
- Robustly designed for challenging environments
- In-ground monitoring where not previously possible

### COMPATIBILITY

Rapid Deploy products are compatible with all major geotechnical IoT data logging systems.

OSPREYMEASUREMENT.SYSTEMS

REDUCE OVERALL INSTALLATION COST BY

# 90%

INSTALL COST $$$$$$$$$$

- OSPREY RAPID DEPLOY COST
- INDUSTRY STANDARD COST

REDUCING TIME ON SITE

# 83%

TIME ON SITE

- OSPREY RAPID DEPLOY COST
- INDUSTRY STANDARD COST

GROUND ENGINEERING AWARDS 2026

SHORTLISTED
GROUND ENGINEERING
2026 AWARDS

## SPECIFICATIONS

Outer Diameter_____35mm
Material_____PADS approved PA6
Max Length_____25m
Compressibility _____100mm/m

## RDI - RAPID DEPLOY INCLINOMETER

Sensor Spacing_____0.5m, 1m, 2m, Custom
Angular Precision_____0.1mm/m
Typical Displacement Accuracy_____0.2mm
Range _____0-360°

## RDI - KEY FEATURES: SITE ADJUSTABLE

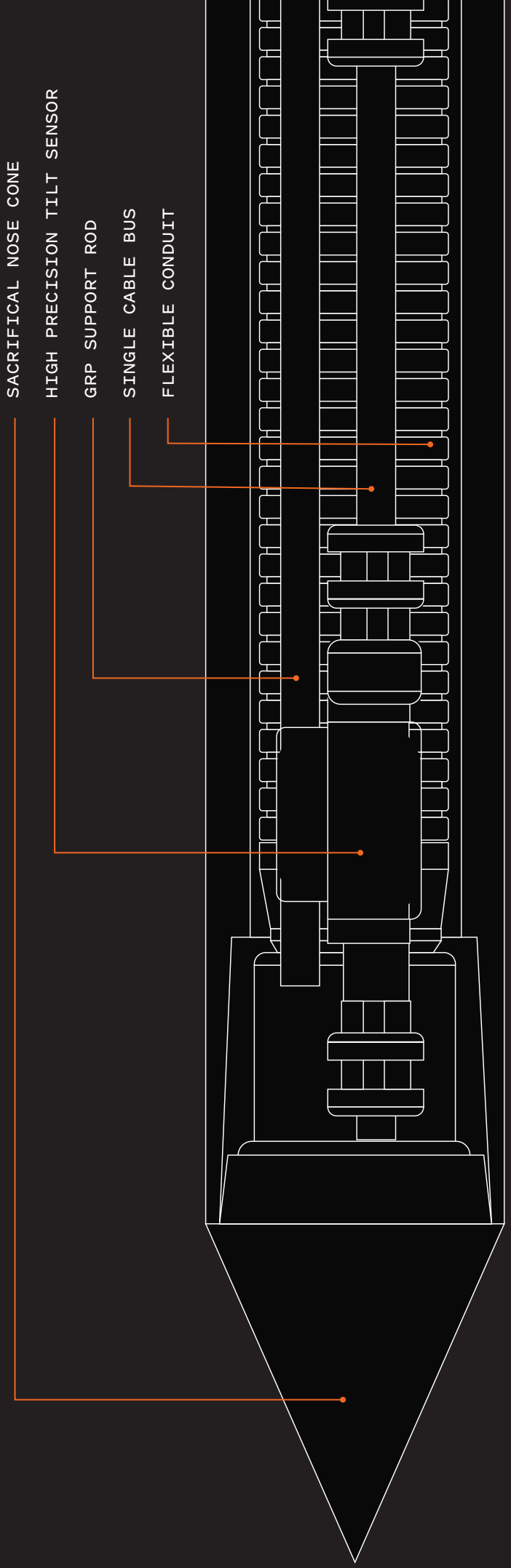
- Event Detection Ready
- Ultra Low Power
- Best in Class Measurement Performance
- Standard Casing Option
- No Grout Required

## RDX - RAPID DEPLOY EXTENSOMETER

Min spacin_____1m
Range_____400mm
Precision_____0.01mm

## RDX - KEY FEATURES: SITE ADJUSTABLE

- Manual Probe Compatible
- Custom Spacings
- Unparalleled settlement data




# NO SPOIL
# NO GROUT
# NO ASSEMBLY
# NO WAITING

OSPREY MEASUREMENT

## START YOUR PROJECT WITH PRECISION MONITORING

Whether you're planning a new project, need technical advice, or want a quotation for our monitoring solutions, our team of specialists is ready to help.

Reach out to discuss your requirements, ask questions about installation or product capabilities, or schedule a consultation.


CALL US NOW ON:
+44 (0) 20 3355 4447

Osprey Measurement Systems, Bluebell Business Estate, Sheffield Park, Uckfield, England, TN22 3HQ.


HOURS
Monday - Friday: 8:30am - 4:30pm
Saturday: By appointment
Sunday: Closed

Osprey Measurement Systems provides advanced geotechnical and structural monitoring solutions for infrastructure, construction, and civil engineering projects. Our precision tilt and settlement systems are engineered for easy installation, reliable performance, and actionable data you can trust.

ISOQAR REGISTERED alcumus.com

UKAS MANAGEMENT SYSTEMS 0026