

PRODUCT SPECIFICATIONS

# The STRYDE Node™

Ranger+



STRYDE

# An enhanced version of the world's smallest and most affordable autonomous onshore seismic node



## COMPACT

129x41mm, weighing in at 150g

## OPERATING TEMPERATURE

-30c to +70c

## AUTONOMOUS RECORDING

50 days (24-hour recording @ 2 ms)

## CHARGE & DOWNLOAD TIME

< 4 hours (28 days of data @ 2 ms)

## GNSS

Improved GNSS chip for precise timing



### Improved GNSS

A re-engineered GNSS solution with a new chip and higher positioned antenna in the node enhances GNSS reception, in all conditions, particularly when the node is buried



### Extended autonomy

Longer battery life enabled by lower power consumption allows for 50 days of continuous recording at 2 ms sampling on a single charge



### Larger memory

Each node features 8 GB of memory storage, enabling a larger volume of seismic data to be recorded



### Tilt identification

Recording of sensor tilt and exclusion of tilt-affected data during data QC

## Product specifications

<b>Sensor</b>	Piezoelectric Accelerometer
<b>Output sample interval</b>	1ms, 2ms
<b>Hours of autonomy per gram of node</b>	8
<b>A/D conversion</b>	24-bit sigma-delta
<b>Frequency band</b>	1-125 Hz
<b>Gain steps</b>	0dB / 16dB
<b>Max input signal level</b>	0.6g (0dB) / 0.1g (16dB)
<b>Noise density</b>	22 ng/ $\sqrt{\text{Hz}}$ @ 16 dB

# STRYDE

**The market-leading onshore nodal  
technology provider**



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