

inApril

Seabed Seismic Solutions

VENATOR

– the complete and
fully integrated
Ocean Bottom Node system



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Per Krohgs vei 4, 1065 Oslo, Norway, phone: +47 2230 3000, mail: post@inapril.com

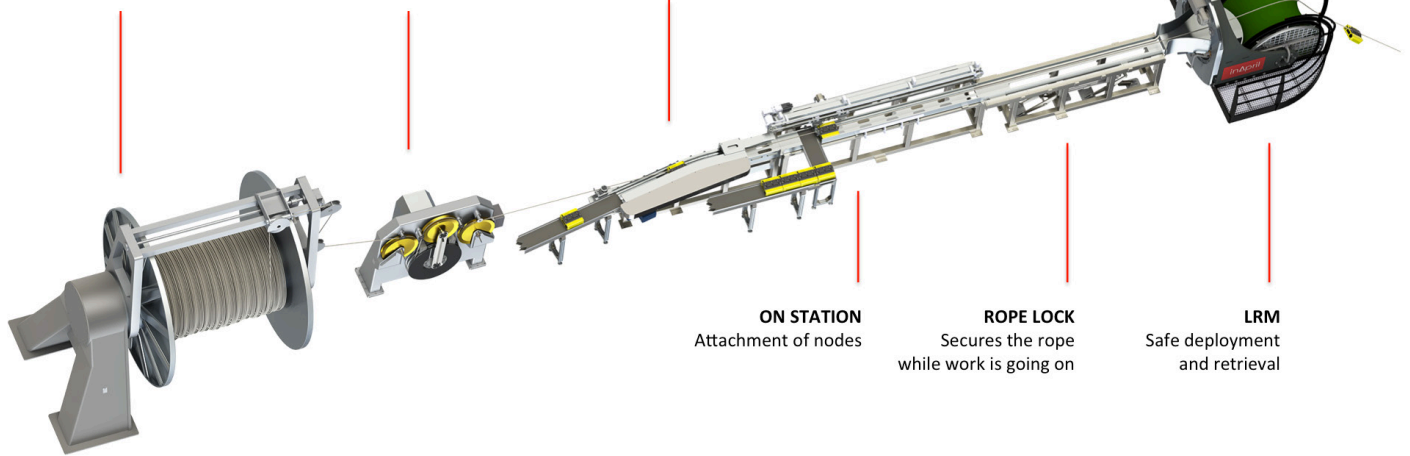
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ROPE STORAGE
Revolving-spool
storage reel

ROPE ENGINE
High speed and
computer controlled

OFF STATION
Detachment of nodes



ON STATION
Attachment of nodes

ROPE LOCK
Secures the rope
while work is going on

LRM
Safe deployment
and retrieval

Operational Modes

Same system covers all node operations

- Node-on-a-rope in shallow and deep water
- ROV deployment
- Reservoir Monitoring

The Node (A3000)

- Built on proven components
- Four channel recording @ 0.5, 1, 2 or 4 msec
- SM-6 omni-directional geophones (14 Hz)
- High Tech HTI 96 hydrophone
- Precision CSAC or OXCO clock (iA calibration solution)
- 3 000 m operating depth
- 100 days endurance / Lithium ion rechargeable batteries
- Three-orthogonal compass and tilt sensors
- Built-in USBL positioning transponder
- Built-in battery charger
- Dimensions 316 x 286 x 115 mm
- Weight 21,0 kg in air / 9,4 kg in water

Automation

- Safe and hands-free operation
- More than 10 000 nodes from one vessel
- Fully flexible and computer controlled node intervals
- Flexible system to suit most vessel types or containerized solutions
- Up to 6 knots deployment and recovery speed at 25 meter node spacing

Data Management

- Automated and near hands-free operations
- Enhanced performance and graphical QC
- Data storage and formatting
- Gator II integration
- Real-time battery monitoring while onboard (safety feature)
- Node configurations
- Node positions and status
- InApril's enhanced clock calibration and synchronization method

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