ACCEL

Accelerate your operations

e-Guide

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SERCEL
A Viridien Business

Welcome to a New Nodal Experience

Why is Accel a Game Changer ?

Values

Benefits

Get Ready

Technology & Specifications

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Why is Accel a

game changer?

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Rethinking the Land Node

The market is evolving. Field operations demand more agility, improved operational efficiency, and higher data integrity — even in the most remote environments. In 2020, Sercel responded with WING, which was a success in various applications like Oil & Gas, Geothermal, CCUS and in diverse fields (urban, jungle, desert, mountain and transition zones).

In 2025, **we take seismic innovation to the next level** with Accel.

Driven by customer insight and 60+ years of seismic expertise, Accel was developed to meet growing industry demands, especially in desert areas and high productivity surveys:

- **Faster deployment**
- **Reduced operational costs**
- **Smaller environmental footprint**
- **Superior image quality**

Accel is the future of nodal seismic – available now.

2006
First nodal system

2020
WiNG system

2025
Accel system

Values

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Meet Accel
More than a Node

Introducing the world's first Drop node - a breakthrough in land seismic.

Accel's design is both **robust and exceptionally compact**, allowing deployment in the most challenging fields with unprecedented speed. No digging, no planting, no tools, just pure efficiency.
From transport to installation to data processing, every step has been reengineered to **eliminate downtime, reduce crew size, and boost operational speed.**

Accel is not just a device. It's an **ecosystem** — combining compact hardware, next-gen software, and full-service support to create a seamless, smarter workflow for seismic teams everywhere.

We have defined the **most client-centric** approach nodal solution in the market with **tailored services** along your **project's lifecycle.**

Small in size

Big on performance

Accel gives you more flexibility, fewer constraints, and a new way to operate — faster, smarter, and at a lower cost.

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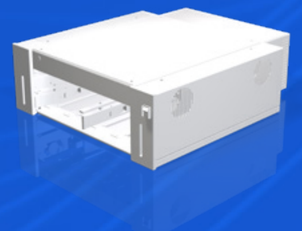
Beyond the Node: an Integrated Ecosystem

Accel is more than a node — it's a complete operational ecosystem designed to boost efficiency across your entire seismic survey.

Every component is engineered to save time, reduce costs, and empower crews to perform at their best.

Accel benefits from Sercel's proven experience in high-quality, reliable data management. With Accel, battery recharging and data retrieval at the rack level are optimized - ensuring fast, risk-free data recovery and complete peace of mind.

Ergonomics package



Rack Module
Fast charge & download
Modular and stackable design
(48 nodes)

Smart BackPack
Ergonomic, field-ready
transport of up to 36 nodes

Smart Node Basket
Storage of 12 nodes per basket

Smart Software Suite
Streamlined data processing
and faster consolidation

Services and Support all along your Project Phases

Expertise that is with you in the field.

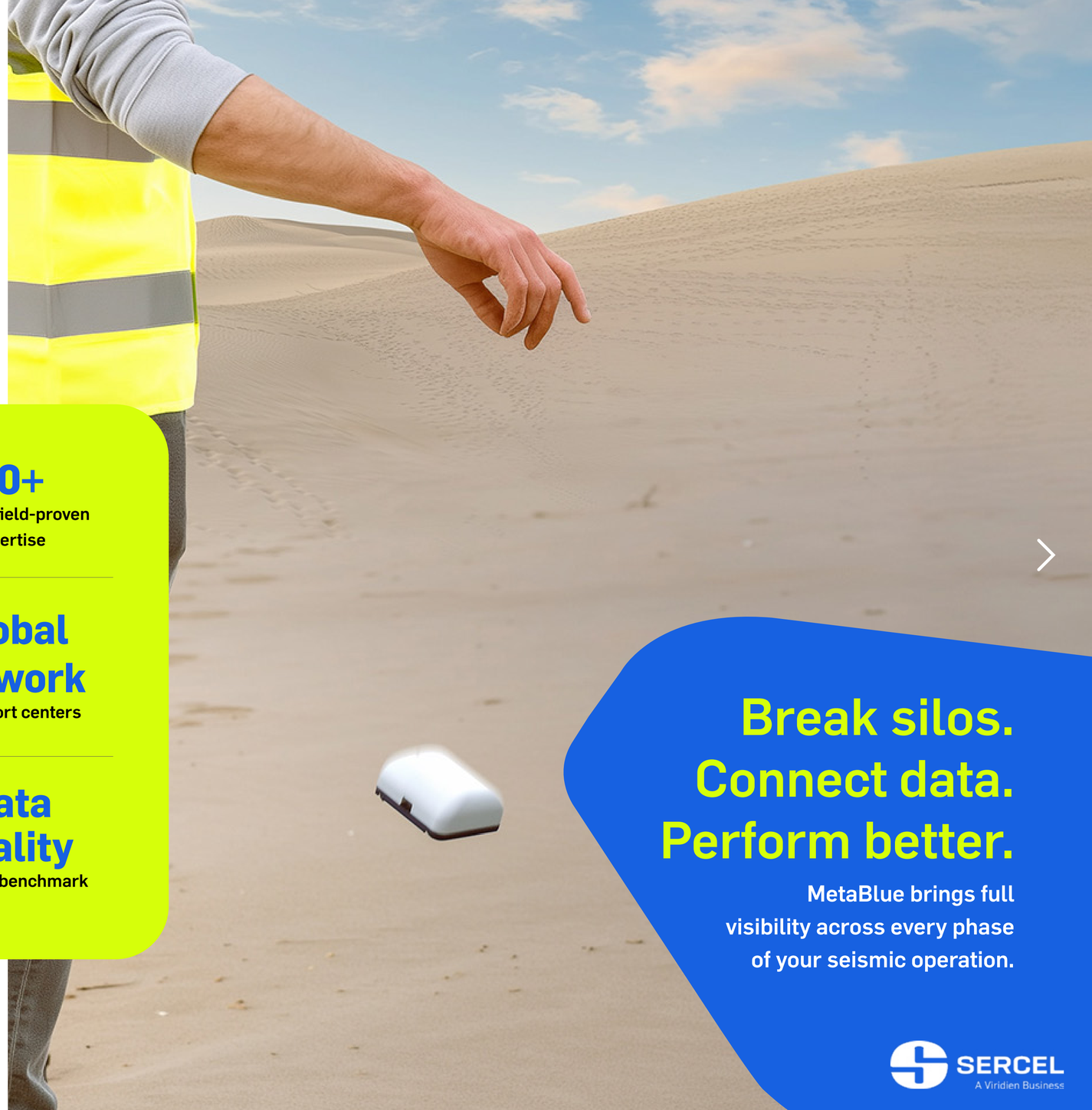
Our end-to-end services include:

- **MetaBlue Consulting & Project Optimization**
- **Training & Upskilling**
  From launch to advanced field operations
- **Asset Optimization**
  Maximize uptime, reliability and lifetime value
- **Operational Excellence**
  From survey planning to real-time KPI tracking : productivity dashboard, vibropath optimization, Vibrator Auto-Guidance, advanced vibroseis techniques, XDSS
- **Customer Support 24/7**

60+
years of field-proven expertise

Global network
of support centers

Data quality
industry benchmark



Break silos. Connect data. Perform better.

MetaBlue brings full visibility across every phase of your seismic operation.

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Benefits

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Designed to Increase Operational Performance

Small, Smart & Powerful: Game-changing.

2x

more compact
than competition average

Up to

50%

lighter than
competition average

2.5h

Fast charge

Less volume, more performance.

This is the smart seismic solution you've been waiting for.

Accel is up to 2x more compact than market-leading nodes — with none of the trade-offs.

By reducing volume, weight, and complexity, Accel lowers your OPEX while boosting operational agility. Deploy more with fewer people and vehicles. Transport faster. Recover faster. Accel stands out as the most efficient node in its class.

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The Drop Deployment

The fastest node deployment method. Ever.

Up to

30%

OPEX costs reduction*

*Based on internal simulations

Now you just drop, connect and collect.

Thanks to its compact design, Accel can be deployed by simply dropping it on the ground. No need to dig or plant — it works on all terrains.

Accel is the first seismic node that truly fits the pace of modern exploration.

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QuietSeis® Broadband Digital Sensor

Next-level clarity with QuietSeis.

The characteristics of Sercel's QuietSeis MEMS are a key enabler to Accel's drop node concept.

The signal measured by geophones (a technology that dates back to the 1930s) is affected by their intrinsic construction, with specifications (sensitivity, natural frequency and damping) dependent on:

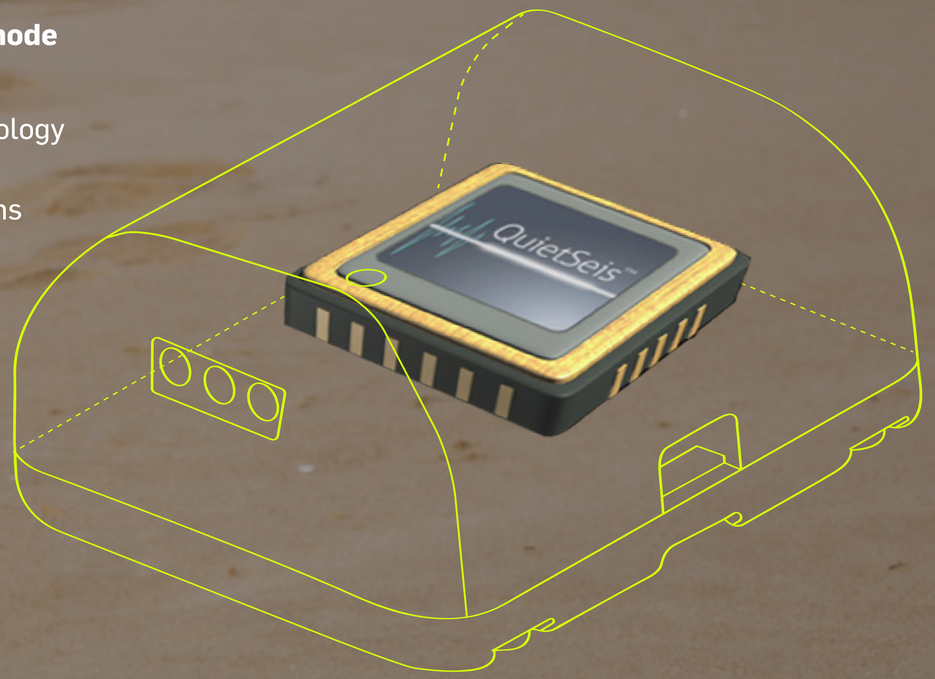
- Manufacturing tolerances
- Sensor ageing
- Temperature

By design, the QuietSeis MEMS-based accelerometer is not affected by this data jitter phenomenon.

KEY VALUES

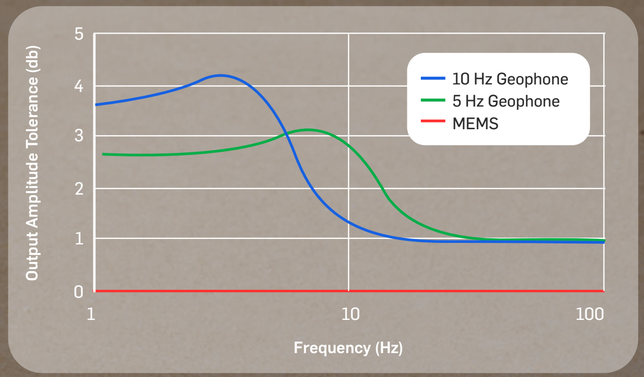
- Tilt detection
- QuietSeis MEMS sense the gravity vector
- Digital fidelity
- True amplitudes and phases are recorded
- Manufacturing tolerances are negligible
- Insensitivity to temperature change and ageing
- Insensitivity to electromagnetic noise
- Distortion: -90dB vs. -62dB for geophones
- Noise floor: 15ng/√Hz

MEMS: Micro-ElectroMechanical System



The clearest signal. The cleanest data.

Data quality is paramount in seismic surveys. Accel is equipped with Sercel's proprietary QuietSeis MEMS — the most advanced seismic sensor technology on the market.



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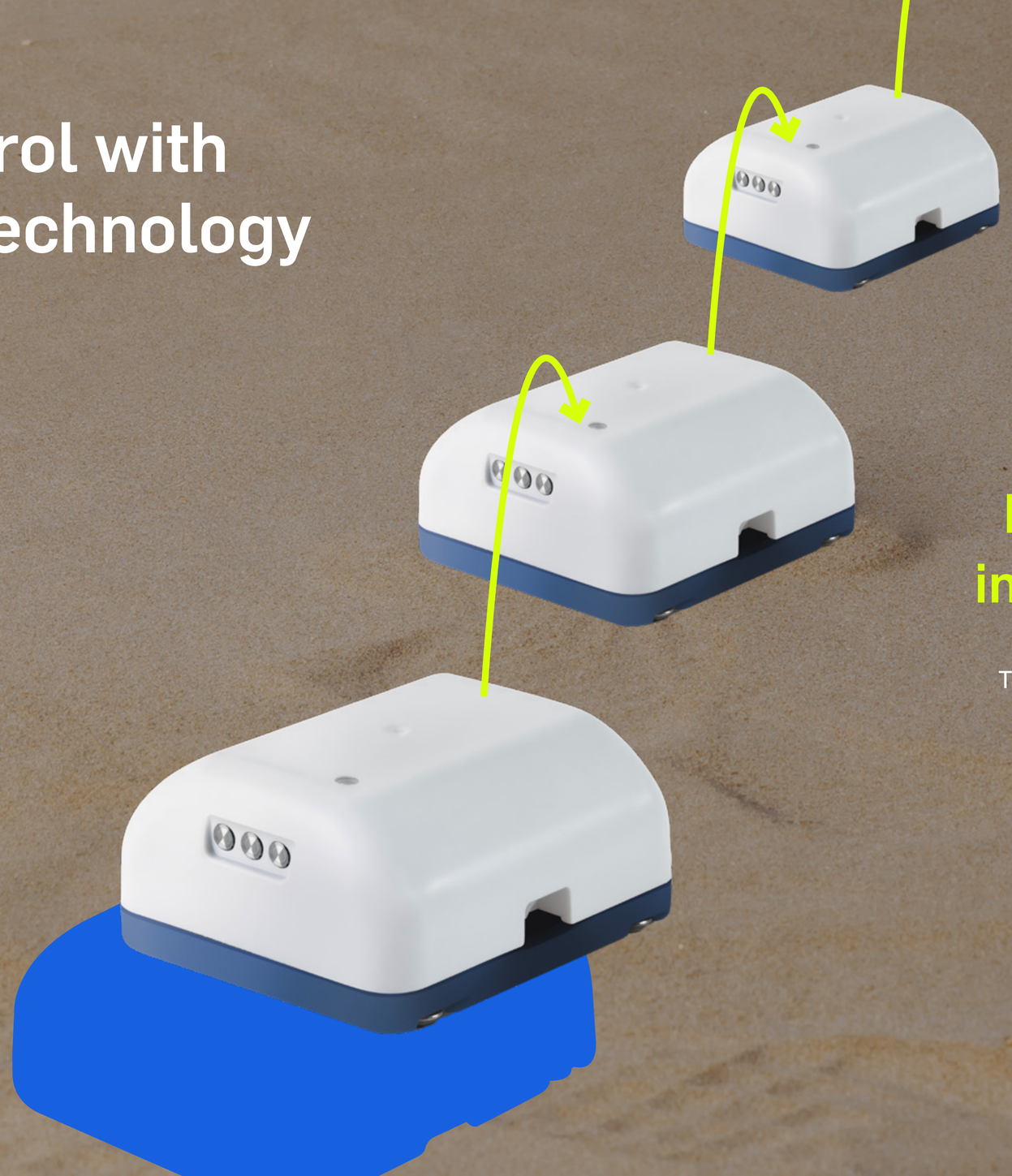
Quality Control with Pathfinder Technology

Confidence at every step.



40m
nominal range

Node QC status in near real-time

The Pathfinder QC suite is integrated into Accel to ensure flawless deployment and QC data recovery without requiring any additional equipment, such as drones, extra antennas, etc.

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HSE & Environmental Impact

Built for safer, greener operations.

Accel enables

to divide by 2*

Diesel consumption

CO_2 emissions

Water consumption

Better for your crews. Better for the planet.

Accel's design directly contributes to Health, Safety, and Environmental (HSE) improvements in seismic acquisition:

- Fewer personnel needed in the field
- Smaller vehicles, less transport
- Drop deployment reduces bending/lifting injuries
- Smaller footprint, lower emissions

*Based on internal simulations compared to the main competition

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Get ready

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Accel Business Packs

Accel is tailored to suit your operational needs.

Discovery Pack

- Discover Accel
- Node system
- Smart Software Suite
- Adapted for short-term surveys

Operations Pack

- Node system
- Smart Software Suite
- Train and Launch
- Operations Support

High productivity Pack

- Node system
- Smart Software Suite
- MetaBlue consulting
- Train and Launch
- Operational Excellence
- Asset Optimization
- Seismic Data integrity

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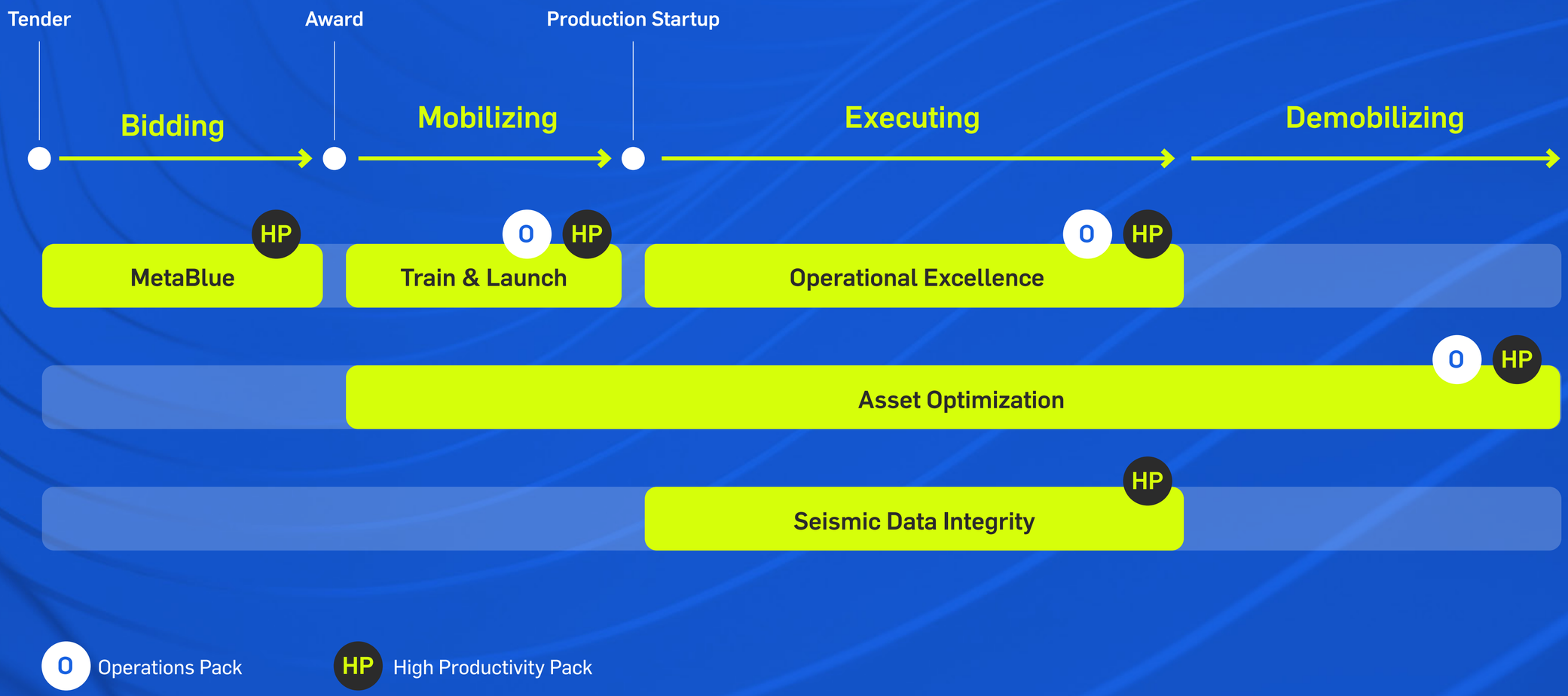
Operations journey



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Technology

& Specifications

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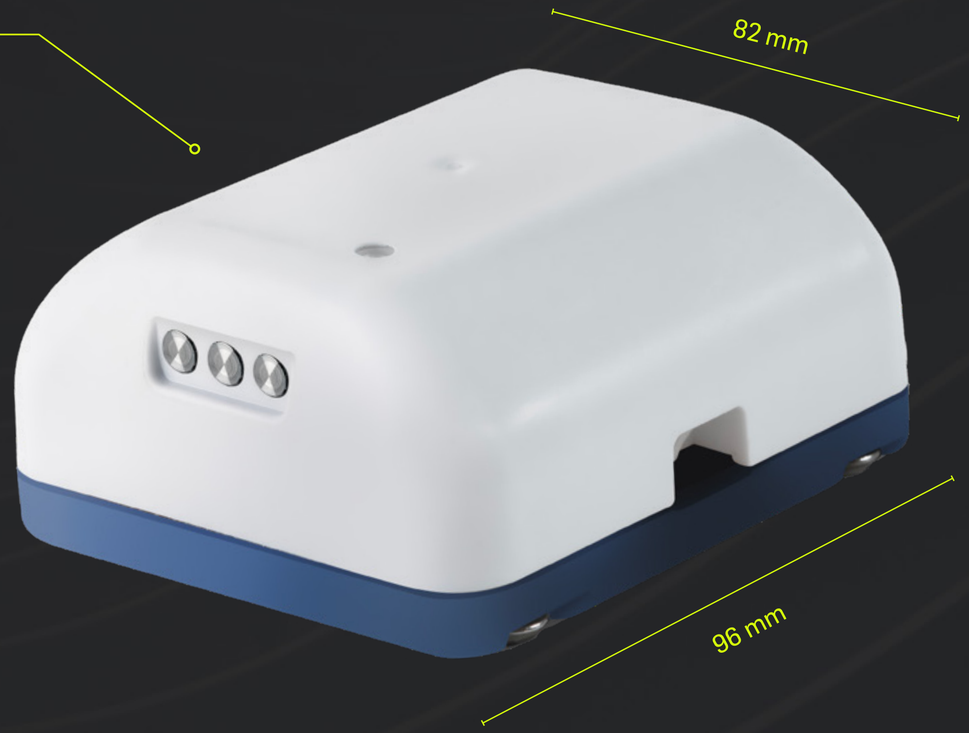
Technical Specifications

Weight: 310g
Volume: 354 cm^3
Operating Temp: -40°C to +60°C
IP Rating: IP68
Full Charging/Download Time: 2.5h



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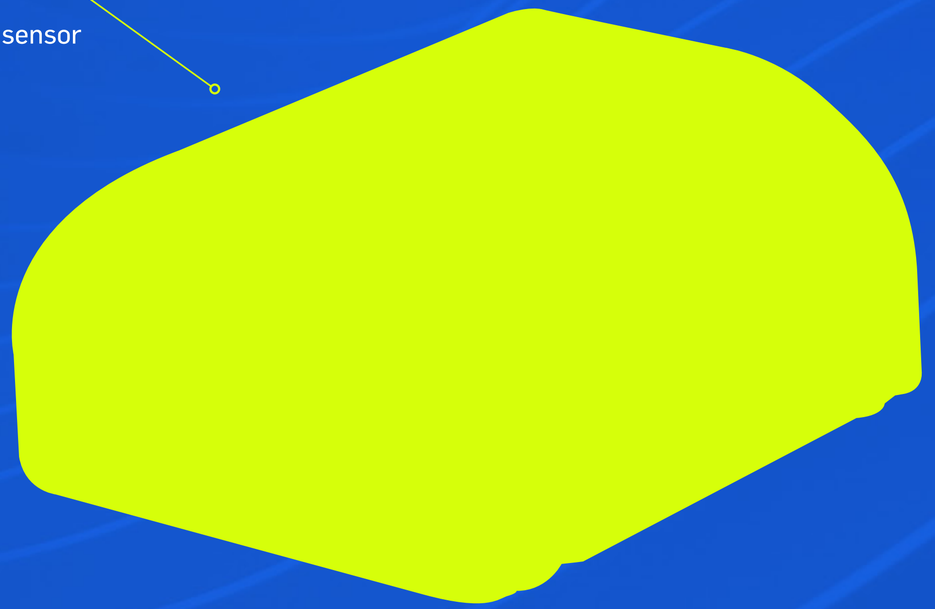
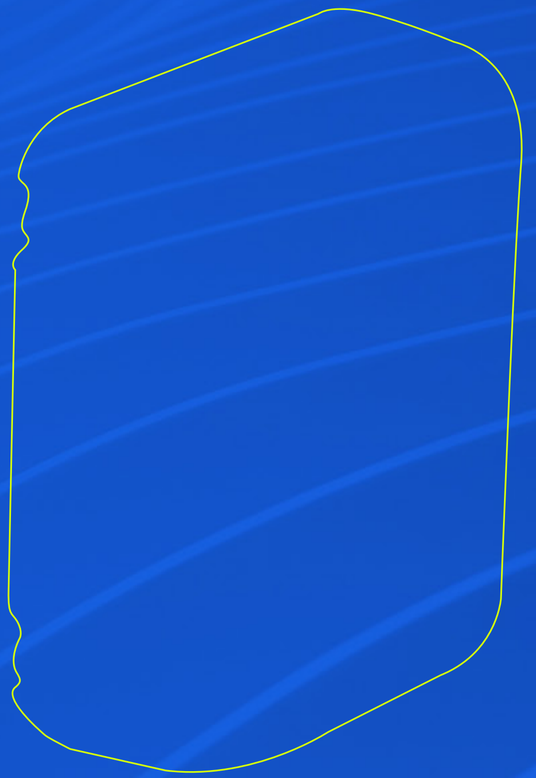
Technical Specifications

Sensor: QuietSeis® MEMS broadband digital sensor
Autonomy: 30 days (24/7)
Storage: 60 days (24/7, 2ms)
Sampling Rate: 0.5 – 4 ms
Noise floor: 15 ng/√Hz





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Ecosystem

Stackable rack modules:
modular by 48

Smart BackPack: holds 36 nodes

To **ease the deployment**, the Accel ecosystem contains an **Accel ergonomics package** that we call Smart Deployment System. It includes **Smart BackPacks**, new **Rack modules** and **Smart Baskets**.

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Ready to accelerate?

With Accel, Sercel sets a new standard for seismic node technology — combining cutting-edge design, data excellence, and operational simplicity into one powerful ecosystem.

Whether you're surveying deep in the desert, across remote tundra, or on any complex terrain, Accel empowers your teams to do more, faster, and smarter — with less.

- **Faster deployments**
- **Fewer resources**
- **Unrivaled data quality**
- **Scalable to your survey**

Accel brings the future of seismic acquisition today. Let's move forward.

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Contact us to explore the Accel solution tailored to your project.

www.sercel.com

Precision. Performance. Partnership.

This is the future we have in focus.