



Palsatech Oy- New Way of Mineral Exploration

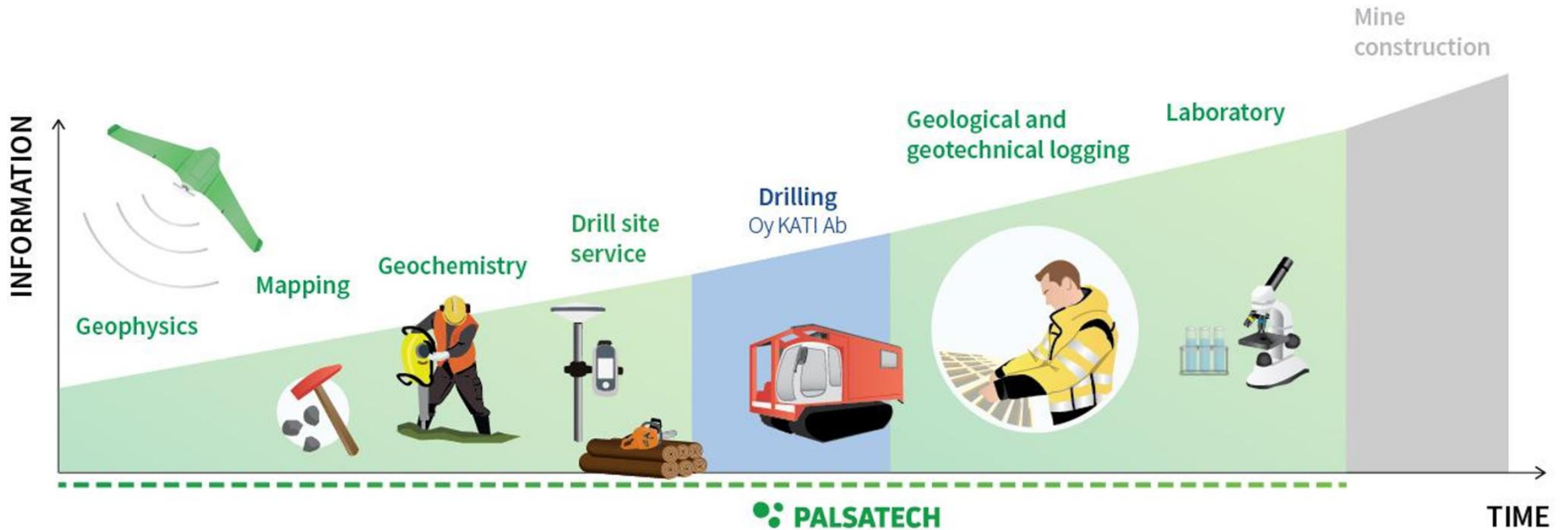
Hannu Ahola
Chief Geologist
Palsatech Oy



Palsatech – Key Information

- Turnover about 6.0 M € (2021 forecast)
- 62 persons total
- 33 technicians
- 19 geologists
- 35 clients (from top5 mining companies in the world to ‘one-man-show’ junior companies)

Palsatech offers help in the exploration stage and you can get the know-how, facilities and equipment from one place with less work and investments.



Geological Services

A geologist is shown in a forest setting, kneeling and examining a sample. The geologist is wearing a high-visibility yellow vest over a brown shirt, a cap with sunglasses, and brown pants. A backpack is visible to the left. The background consists of tall pine trees and a forest floor with low-lying vegetation and rocks.

- Planning
- Field work
- Drilling supervision
- Geological core logging
- Reporting
- Trenching projects
- Land Management Team

Geological Services for Mining



- Drilling supervision
- Geological core logging
- Mine geology
- Surface damage survey
- Tunnel stability control
- Production control
- Reporting

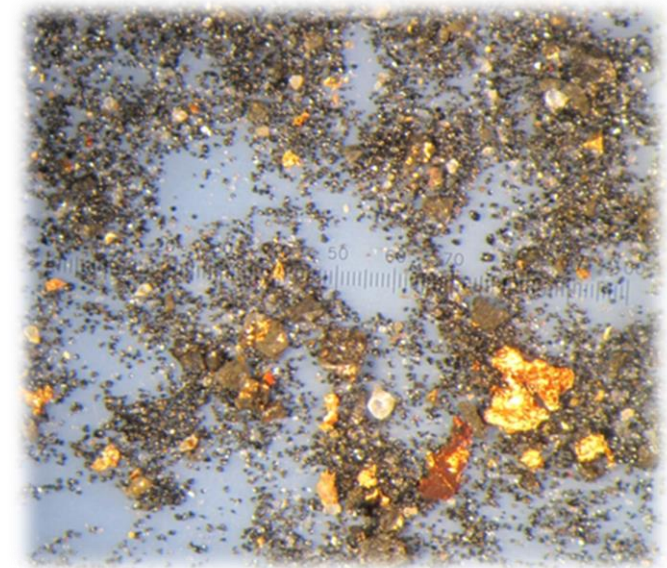
Geochemical Services

- Planning
- Sampling (geochemical, heavy mineral)
- Low impact methods and lightweight drilling
- BOT projects (supervision, sample logging)
- Result interpretation and reporting



Heavy Mineral Services

- Sampling Projects
- Pre-concentration (Knelson-device)
- Final concentration with micro-panning
- Microscopying and reporting





Geotechnical Field Services

- Drill site preparation
- Route planning, clearance and upkeep
- Measuring and marking
- Tree damage reporting
- Drill hole plugging
- Drilling projects
- Cutting casings
- Chip sampling
- Transport and storage

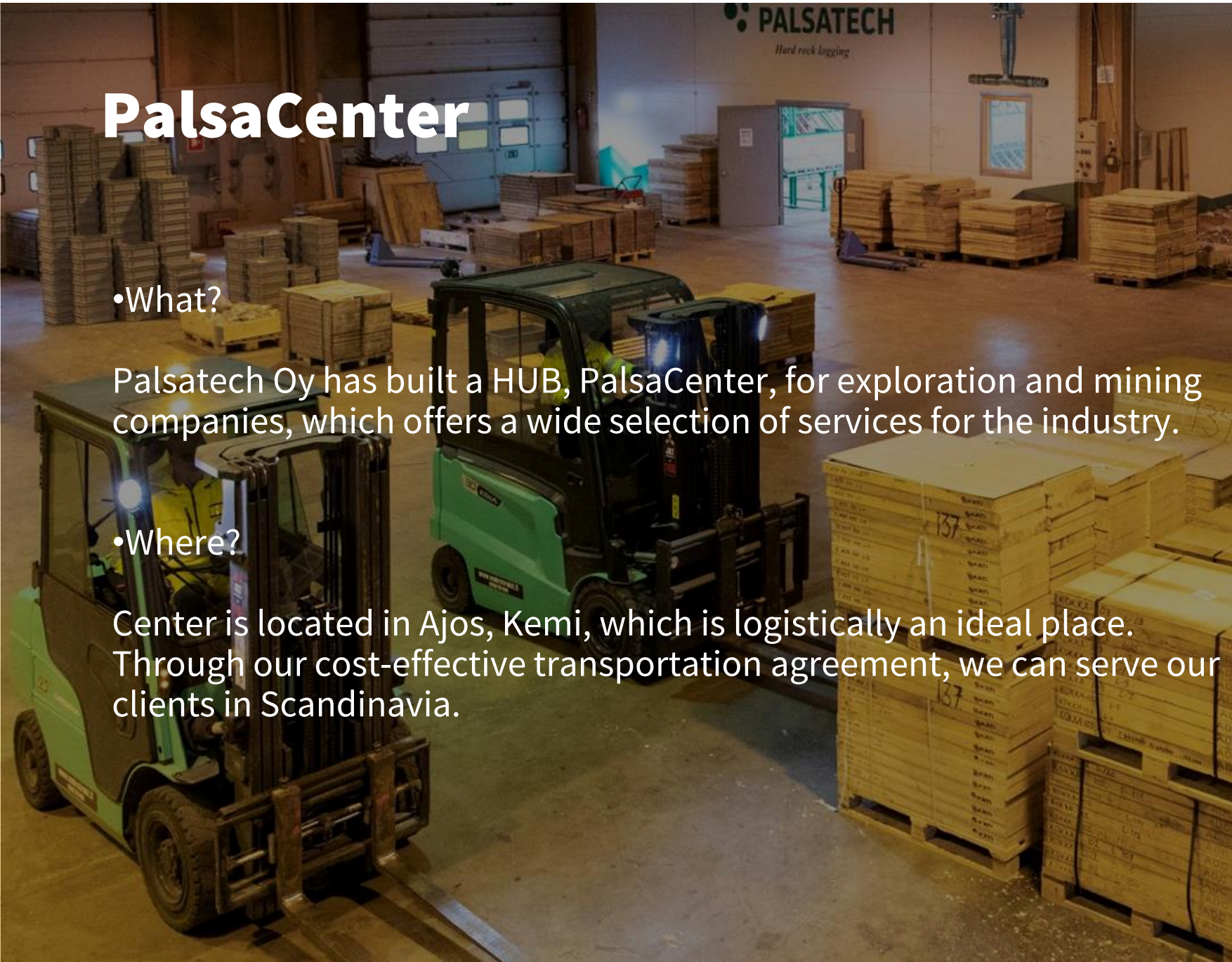
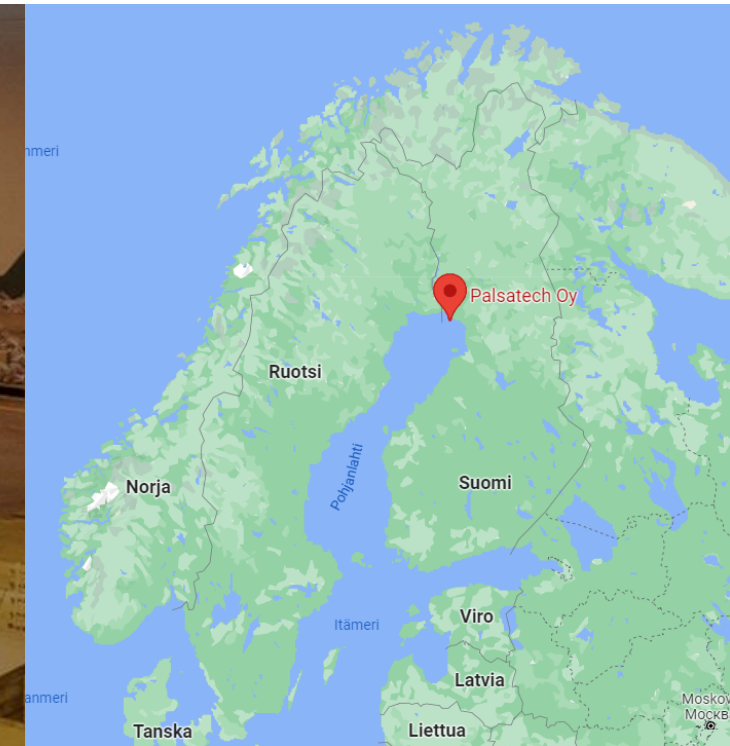
PalsaCenter

- What?

Palsatech Oy has built a HUB, PalsaCenter, for exploration and mining companies, which offers a wide selection of services for the industry.

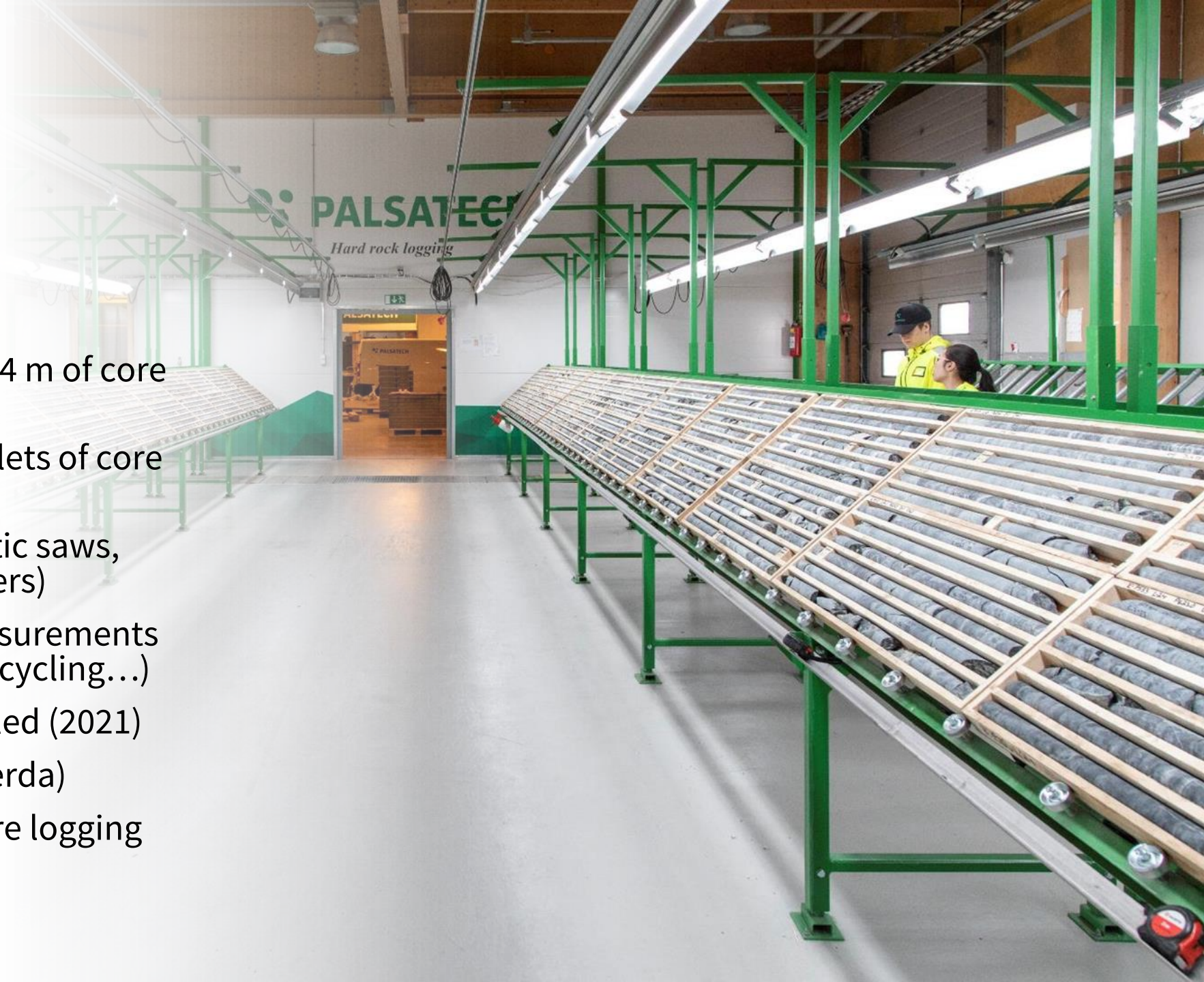
- Where?

Center is located in Ajos, Kemi, which is logistically an ideal place. Through our cost-effective transportation agreement, we can serve our clients in Scandinavia.



PalsaCenter

- 3 core logging areas (144 m of core logging tables)
- Core storages (8000 pallets of core samples)
- Core cutting (2 automatic saws, water circulation, clippers)
- Sample treatment/measurements (point load, Knelson, re-cycling...)
- 180 000 m of core handled (2021)
- 2 automated pXRF's (Gerda)
- Private HUB (60m of core logging tables)





R&D-Innovations

- Core logging tables
- Core box lifter
- Mobile sample treatment/logging facility
- Water circulation for core saw
- Re-cycling of core boxes, rock material
- Photo station (under development and testing)
- Using automated pXRF system to support mining operations
- Multifunctional, Natura-safe winter support vehicle

A person wearing a bright green jacket is riding a snowmobile on a snow-covered road. The road is flanked by a dense forest of evergreen trees. The sky is clear and blue, suggesting a bright day. The snowmobile is moving away from the viewer, leaving tracks in the snow.

Success Story-Case Rupert Resources

- Palsatech has been helping Rupert since they first started their operations in Pahtavaara
- Geological, geotechnical, geophysical, administrative and logistical services
- Ikkari, ~4 Moz Au maiden resource, stock price from 0.02 CAD up to 6.08 CAD

A close-up photograph of a person's hands holding a large, textured, cylindrical object. The person is wearing a high-visibility yellow vest over a dark long-sleeved shirt. The background is blurred, showing what appears to be an industrial or construction site.

Future

- Keep developing safe, sustainable and cost-efficient services and solutions for the industry
- Next PalsaCenter?
- Rest of the World, Palsatech Global (2020)

Thanks for paying attention!

