



# HAFMEX WIND MEASUREMENT SERVICES

Urpo Hauvonen 2022-11-01

# Hafmex Oy

- Active in wind industry since 2000
- Auxiliary business name Hafmex Wind
- Family-owned company
- Our office location in Espoo:
  - Suomalaistentie 7 A
  - 02270 ESPOO
- Workshop in Inkoo:
  - Inkoonportti 10, halli 3
  - 10210 INKOO



# Our experience and services

- Wind measurement services since 2010
  - Started by AQ500 sodar unit
  - Tallest met mast installed is 152,5m high in Northern Sweden
- Remote systems:
  - Rental, installation, maintenance, repair and data collection
  - Inspection of installation and documentation
- Mast systems:
  - Turnkey installations of mast measurement systems
  - Data monitoring, mast inspections and maintenances
  - Sensor calibrations via service partners
- Mobile power supply
  - Rental of power supply systems for remote measurement units and mast measurement systems
  - Maintenance coordination of power supply systems

# Our rental systems

- Remote wind measurement systems:
  - ZX 300 Onshore Wind Lidars
  - AQ500 Wind Finder Sodars
- Mast systems:
  - Anemometers, Thies FCA and Vaisala WAA252
  - Wind vanes, Thies FC and NRG
  - Ultrasonics, Thies 2D and 3D
  - Temperature, humidity and barometric sensors, Galltech and Ammonit
  - Data loggers, Ammonit Meteo-40 series
  - Obelux aviation lights
- Mobile power supply units:
  - 500 – 1kW continuous power, diesel generator + pv panels

# References

Wind measurement projects conducted in Finland and Sweden:

- More than 45 sites measured by Sodars
- 19 sites measured by Lidars
- 13 sites measured by met masts
- Also combination of above and much more...

Our clients:

- ABO Wind
- Element Power
- Empower
- Energiequelle
- Fortum Power and Heat
- GEO-NET Umweltconsulting
- Helen
- Ilmatar
- Intercon Energy
- Lumituuli
- Metsähallitus
- Neoen Renewables
- Notus Energy plan GmbH
- OX2
- Prokon
- Saba Wind
- Smart Wind
- Suomen Merituuli
- Taaleri
- Tetrituuli
- Tuulialfa
- TuuliSaimaa
- UPM-Kymmene
- Varsinais-Suomen Energia
- Winda Power
- wpd Finland
- wpd Scandinavia
- wpd windmanager