Meteorological & Environmental Protection Equipment

PD150

Three-dimensional Particle LiDAR

Application Field:

-Atmospheric environmental monitoring
-Flow monitoring
-Meteorological scientific research
-Meteorological detection

RD150

Three-dimensional Raman Ozone LiDAR

Application Field:

-Flow monitoring
-Atmospheric environmental monitoring
-Ozone generation and diffusion monitoring
-Meteorological scientific research
-Meteorological detection

GD302

High Precision Greenhouse Gas Analyzer

Application Field:

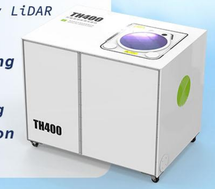
-Ecological environment
-Meteorology
-Scientific research application

TH400

Raman Temperature and Humidity LiDAR

Application Field:

-Meteorological monitoring
-Climate research
-Environmental monitoring
-Space flight and aviation



FLEXIBLE BUSINESS MODEL

LiDAR Sales | Versatile & Reliable

▲ For wind energy, meteorology, aviation, and multi-scenario projects

Wind Measurement | End-to-End Solutions

▲ Equipment Leasing ▲ Installation & Commissioning

▲Power Supply Assurance ▲Smart Data Retrieval

Operational Support | Seamless Integration

▲ 24/7 Maintenance ▲ Flexible Logistics

▲ Full Project Lifecycle Support

Data Consulting | Smart Decision-Making

▲ Precision Site Assessment ▲ Real-Time Wind Analysis

▲ Expert Report Delivery

Custom Solutions | Tailored Development

▲ System Integration ▲ Functional Expansion

▲ Performance Optimization

. Served over **330** million data service hours worldwide
. About **2000** ground-based lidar have been delivered & a large-scale leasing business has been achieved
. About **15000** nacelle lidar have been delivered
. Over **500** units have been applied offshore
. Over **20000** intelligent detection devices have been delivered

Official Website

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MOVELASER

NANJING MOVELASER CO.,LTD.

ABOUT MOVELASER

Established in 2015, Nanjing Movelaser Co., Ltd. stands at the forefront of coherent wind LiDAR innovation, delivering cutting-edge solutions for global wind energy applications. As a vertically integrated manufacturer with end-to-end capabilities in optoelectronic system R&D, engineering, and production, we specialize in dynamic wind measurement technologies validated by leading certification bodies (CE/ETL) and internationally recognized institutions includingUL, DNV, WINDGUARD, and DTU Risø Wind Energy. Our diverse portfolio – encompassing ground-based, nacelle-mounted, and 3D scanning LiDAR systems – has become an industry benchmark, with nacelle-mounted units now standardized by major turbine manufacturers.

Leveraging a 10,000-unit annual production capacity and proprietary advancements in high-energy fiber lasers, nano-scale signal detection, real-time data processing, and precision inversion algorithms, we empower clients with cost-competitive, reliable solutions backed by over 100 patented core technologies. Supported by a 300+ member workforce, including 100+ technical specialists, Movelaser actively shapes global industry standards through participation in IEC initiatives and national regulatory frameworks.

Recognized with multiple prestigious awards, our remote sensing instrumentation maintains dominant market positions worldwide while driving the renewable energy transition. As we pioneer next-generation laser sensing technologies, Movelaser remains committed to addressing global climate challenges and advancing sustainable energy ecosystems through continuous innovation in wind resource optimization and AI-integrated systems.

-Certification-

-CE Certification
-ETL Certification
-DNV-GL Certificate
-UL Verification
-WindGuaard Calibration
-DTu Risa Calbration
-AAA Credit Enterprise
-AAA Integrity Supplier
-ISO Qality Management System Certification
-ISO Occupational Health And Safety Management System Certification
-ISO Environmental Management System Certification
-Intellectual Property Standard Management System Certification

ENTERPRISE HISTORY

2024
- Molas B300M/3D/NL750 wind LiDARs receive Jiangsu New Product & Tech Certification
- Molas B300 new prototype achieves core tech breakthroughs
- Molas series selected as Jiangsu's First (Set) Major Equipment
- MOVELASER B.V. (EU subsidiary) debuts at Hamburg Wind Expo, accelerating global expansion
- Spotlight at U.S. Offshore Wind Expo, launching North America market expansion

2023
- Established European subsidiary Movelaser B.V.
- Introduced engine room inspection robot Molas NR
- Launched micro laser displacement sensor Molas DT
- Won "Gold Award" on 2023 China Optoelectronic Instruments Brand List
- Recognized as Provincial Enterprise Technology Center

2022
- Participated in formulating National Wind LiDAR Standards
- Achieved ISO 14001 (Environmental Management) and ISO 45001 (Occupational Health & Safety) certifications
- Restructured as joint-stock company

2021
- Released fiber optic sensor Molas FD
- Molas B300 became China's first LiDAR passing DNV GL Classification Testing
- Established Safety Standardization System

2020
- Launched floating offshore wind LiDAR Molas NX5
- Introduced tower clearance LiDAR Molas CL
- Molas NL obtained DNV GL Consistency Certification (Germany)
- Molas B300 passed DNV GL Performance Verification (Germany)

2019
- Released 3D scanning wind LiDAR Molas 3D
- Contributed to IEC Wind LiDAR Industry Standards formulation
- Molas B300/NL secured CE & ETL certifications

2018
- Delivered Molas NL for full-scale turbine installation projects
- Certified as National High-Tech Enterprise
- Molas B300/NL passed DTU Risø Performance Testing (Denmark)

2017
- Molas B300 validated by WindGuard Testing (Germany)
- Commercialized nacelle-mounted LiDAR Molas NL
- Received bulk orders for Molas NL

2016
- Featured on CCTV News Broadcast
- Launched ground-based wind LiDAR Molas B300
- Completed first Molas B300 field deployment
- Obtained ISO 9001 Quality Certification

2015
- Movelaser officially founded

Product Introduction

Wind Measurement LiDAR

Molas B300/M

Ground-based Wind Measurement LiDAR

Application Field:

-Wind resource evaluation
-Micro-location and review
-Wind power prediction system
-Turbine/wind farm performance evaluation
-Meteorological detection

Molas 3D

3D-scanning Wind LiDAR

Application Field:

-Civil aviation
-Meteorology
-Air quality detection
-Wind power

Molas NX5

Floating LiDAR System

Application Field:

-Offshore wind resource assessment
-Micro-location and review
-Wind power prediction system
-Wind farm performance evaluation
-Meteorological detection

Molas NL

Nacelle-mounted Wind Measurement LiDAR

Application Field:

-Blade load analysis
-Power curve test
-Intelligent farm group control
-Wake analysis
-Yaw correction

Intelligent Monitoring Equipment

Molas CL

Clearance Monitoring LiDAR

Application Field:

-Single point accurate feedback
-Threshold test
-Trend detection

Molas NR

Wind Turbine Rail Robot

Application Field:

-Image recognition
-Turbine real-time monitoring
-Infrared thermal imaging diagnostic
-Environmental information detection

Molas FD

Blade Load Measurement System (Fiber Demodulator)

Application Field:

-Independent blade
-Load reduction
-Long-term turbine data collection

Molas DT

Micro Laser Displacement Sensor

Application Field:

-Wind power
-Mechanical manufacturing
-Automotive industry
-Aerospace