

Solutions for Renewable Energy Projects



Telener360

Index



ABOUT US





Our foundation as Telener 360 dates back to 2015, since then we have been offering our clients Engineering solutions in the field of Renewable Energies through the design, manufacture, installation and maintenance of Communication towers and Support Structures.

In Telener 360 we understand that the development of renewable generation is a global reality and therefore today we are prepared to offer our services in USA, Latam and Spain.

www.telener360.com
info@telener360.com

Part of our continuous improvement is the maximization of safety and quality standards, guaranteeing the best conditions for our team to safely operate towers and wind turbines.



Global Wind Organization (GWO) - Certification



Energy Association (AEE) - Certification



Technicians certified by Campbell Scientific



Access
the
inaccessible®

Certified Safety Equipment - PETZL

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info@telener360.com



Integrated Management System

COMPECER®
CERTIFICATION BODY

CERTIFIES THE MANAGEMENT SYSTEM OF:
CERTIFICA EL SISTEMA DE GESTIÓN DE:

TELENER 360 S.A DE C.V.

Located at:
Ubicada en:
BRUMA 102, 101 OF. A, JARDINES DEL MORAL., C.P. 37160, LEON,
CUANAJUATO, México

This is a multiple certificate and its corresponding attachment should be consulted.
Este es un certificado múltiple y se deberá consultar su anexo correspondiente.

In the requirements of:
En los requisitos:

ISO 9001:2015
NMX-CC-9001-IMNC-2015

By virtue of having demonstrated that a Quality Management System has been documented, implemented and maintained for the following processes:
En virtud de haber demostrado contar con un Sistema de Gestión documentado, implementado y mantenido para los procesos:

The scope is described in the attachment of the certificate / El alcance está descrito en el Anexo del certificado.

Initial registration date / vigencia a partir de:
March, 30, 2025
Vigencia 1 / cumplimiento 1
March, 10, 2024
Vigencia 2 / cumplimiento 2
March, 10, 2026
Date details / fecha de término de vigencia:
March, 30, 2026
La certificación podrá estar sujeta / fecha de expiración del otorgamiento de certificación:
N/A

Effective number of personnel / rango de personal efectivo:
23

Certificate number / número de certificado:
Version / versión: 1

Oscar Emanuele Pérez Angulo
Chairman

COMPECER
ORGANISMO DE CERTIFICACIÓN
ACREDITADO 81/11

ema
ORGANISMO DE CERTIFICACIÓN
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IAF

QR code

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In the requirements of:
En los requisitos:

ISO 14001:2015
NMX-SAA-14001-IMNC-2015

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In the requirements of:
En los requisitos:

ISO 45001:2018
NMX-SAST-45001-IMNC-2018

By virtue of having demonstrated that a Quality Management System has been documented, implemented and maintained for the following processes:
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SERVICES





WIND RESOURCE TOWERS

At Telener 360 we design, manufacture and install our own towers.


Braced lattice towers

Self-supporting or braced tubular towers


Wind and Solar Resource Measurement Towers

www.telener360.com
info@telener360.com

Design and Manufacturing Standards



IEC 61400 12 1



ANSI/TIA 222 H 2017



ANSI/ASSE A10.48 2016



IEC 61724 1:2017



ASM Tower is the software used by our engineering team to develop the different projects.

WIND AND SOLAR RESOURCE TOWERS

Lattice towers up to 160m in height

Tubular towers up to 80m high

Self-supporting towers up to 120 m in height

Rental and Sale of Power Curve Test Towers

COMMUNICATIONS TOWERS

Monopoles up to 40m high

Braced towers up to 120 m in height

Self-supporting towers up to 120 m high



LIDAR / METEOLASER



We sell or rent measurement equipment based on Lidar technology. This equipment is supported by photovoltaic and/or low voltage wind power systems.

We provide Lidar equipment verification services.

Telener 360 operates as an official distributor of Ammonit in Mexico, USA and Spain.

Ammonit is a leading company in the development of measurement systems oriented to the renewable energy sector.



LiDAR Type

LiDAR Impulse Doppler

Number of laser beams	4 laser beams (N, E, S, O)
Laser beam angle	28° to vertical
Measuring range	From 40 to 300 m
Measuring heights	12 height dimensions
Measurement cycle time	~0.8 s per beam ~3.2 s per 4 beams
Horizontal wind speed accuracy	0.1 m/s *
Wind speed range	0 to 80 m/s
Wind direction accuracy	1° *
Power requirements	18 to 32 V DC / 93 to 263 V AC (50-60 Hz)
Power consumption	LiDAR alone: 30 W With cooling: 35 W With heating: 50-70 W
Operating temperature range	-40° C to 60° C
Humidity range	-0 % to 100 % RH (non-sourced)
Degree of protection	IP 67
Eye safety regulations	Class 1M IEC/EN 60825-1
Hardware interface	4G-Router, Ethernet Connection to laptop, USB for GPS-tracking
Data format (compressed)	10-minute files CSV files 1-second data CSV files
Memory capacity	100 GB available for CSV files
User interface for remote access	AmmonitConnect Web Application (SSH reverse tunnel)
Data transmission protocols	Emails, FTP y SCP SFTP from AmmonitOR AmmonitOR Data Cloud
Data Cloud	AmmonitOR Data Cloud
Factory report against golden LiDAR	Included free of charge
IEC 61400-12-1 Verification	Available for purchase
IEC 61400-12-1 clasificación MeteoLaser Version 1	Available

Size (L x W x H)

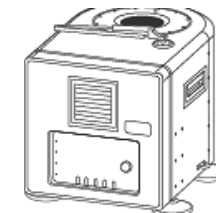
Without packaging 390 x 390 x 340 mm

With packaging 600 x 600 x 600 mm

Peso

Without packaging 32 kg

With packaging 60 kg





BLADE INSPECTION WITH DRONE



At Telener 360 we make our clients' wind turbine blade inspection tasks profitable through the use of the M210 RTK drone.



The M210 RTK spends an average of 30 minutes in the inspection of the three blades of the turbine.

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info@telener360.com



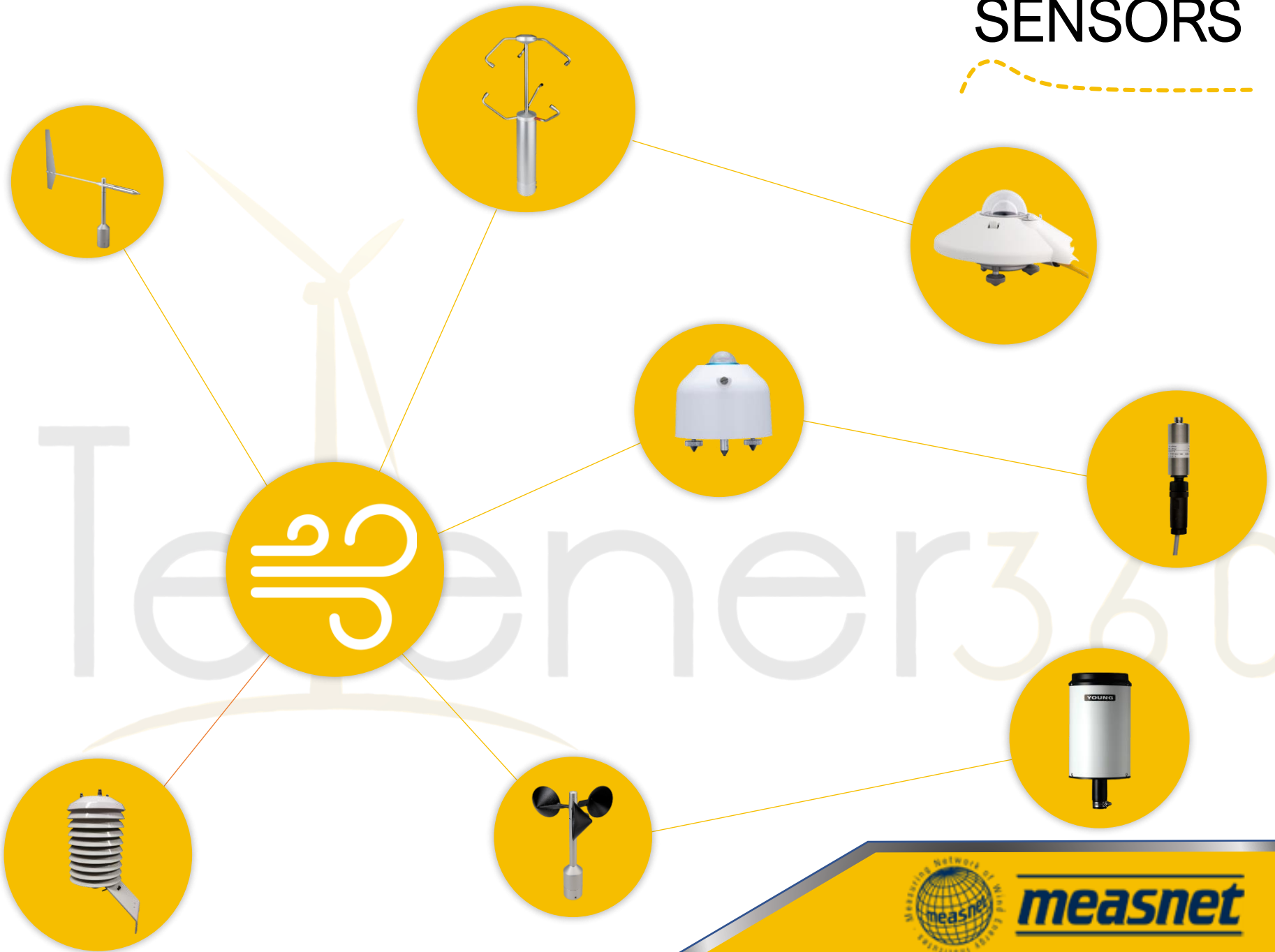
SOLAR MEASURING TOWERS



- Global Horizontal Irradiation - Main
- Albedo effect with Dual Pyranometers
- Solar Tracker
- Wind Speed and Direction
- Temperature and Relative Humidity
- Rainfall
- Solar Weather Station according to IEC61724-1:2017



SENSORS



measnet

Wind Sensors

Anemometers

Weather vanes

Temperature and Humidity Sensors

Atmospheric Pressure Sensors

Precipitation sensors

Ultrasonic Anemometers

Weather Stations

Calibration

Solar Sensors

Pyranometers

Pyroheliometers

Silicon Irradiance Sensors

Solar Tracking Systems

Dirt Sensors

We distribute Wind and Solar Sensors, according to the highest quality standards.

We offer the possibility of sensor calibration according to the Measnet Standard.



measnet

Communication Systems

Obstruction Lights

Surge Protection Modules

Camera

Bat Detector

Power Supply

Steel Cabinets

Modules

We commercialize a wide range of Data Loggers, specialized in the evaluation and monitoring of solar and wind resources.

These highly reliable systems manage data collection from Automatic Weather Stations (AWS) located in remote or difficult to access areas.

The Data Logger ensures accurate and reliable measurement of the most important meteorological data, such as wind speed and direction, temperature, humidity, as well as atmospheric pressure and solar radiation.

PORTFOLIO

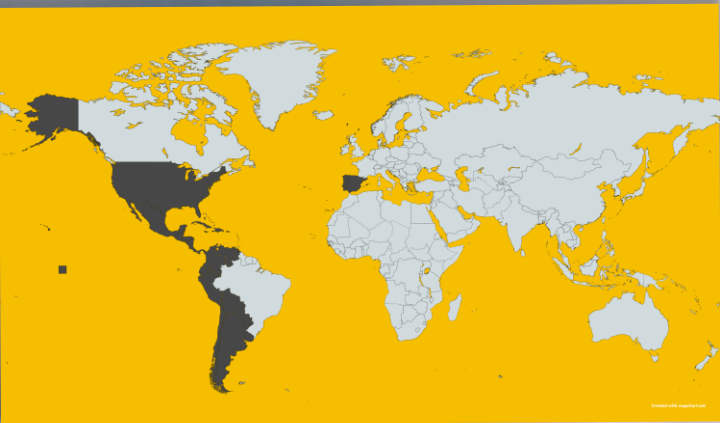


Location	Start	End	Project Description
La Guajira - Colombia	oct.-23	abr.-23	Design, manufacture, supply, erection, erection, instrumentation and commissioning of 2 self-supporting 120 m towers
Punta Arenas - Magallanes - Chile	feb.-23	mar.-23	Design, Manufacture, Supply, Erection, Instrumentation and Commissioning of 2 Wind Resource Towers of 120 m
Santa Ana - El Salvador	nov.-22	abr.-23	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of a 140 m Wind Resource Tower for Green Hydrogen generation.
Cenotillo - México	may.-22	mar.-23	Design, manufacture, supply, erection, instrumentation and commissioning of a 150 m wind resource tower
Punta Lima - Puerto Rico	mar.-22	abr.-23	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of an 80 m Wind Resource Tower
Tehuel Aike - Magallanes - Chile	mar.-22	abr.-23	Design, manufacture, supply, assembly, instrumentation and commissioning of a 120m braced meteorological tower for Green Hydrogen generation
San Gregorio - Magallanes - Chile	mar.-22	abr.-23	Design, manufacture, supply, erection, instrumentation and commissioning of a 120 m wind resource guyed tower
Citilcum - Yucatán - México	mar.-22	feb.-23	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of a 120 m Wind Resource Tower
Chicago - Illinois - Estados Unidos	feb.-21	mar.-23	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of a 160 m Wind Resource Tower
Los Ángeles - Biobío - Chile	oct.-20	dic.-22	Design, Manufacture, Supply, erection, Instrumentation and Commissioning of 2 Wind Resource Towers of 140 m - PE Alena
Calama - Antofagasta - Chile	oct.-20	mar.-22	Design, Manufacture, Supply, erection, Instrumentation and Commissioning of 2 Wind Resource Towers of 84 m - PE Tchamma
Monterrey - México	ago.-20	mar.-23	Design, manufacture, supply, assembly, instrumentation and commissioning of 2 towers of 120 m of wind resource
Los Ángeles - Biobío - Chile	ago.-20	abr.-21	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 2 Wind Resource Towers of 140 m - PE Rihue
San Fernando - México	ago.-20	abr.-23	Design, manufacture, supply, assembly, instrumentation and commissioning of an 80 m wind resource tower
Mazapil - Zacatecas - México	dic.-19	mar.-20	Design, Fabrication, Supply, Assembly, Instrumentation and Commissioning of 4 towers of 91.5 m for Power Curve testing
Nuevo León - México	dic.-19	mar.-20	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 3 x 120 m towers for Power Curve testing
Zacatecas - México	dic.-19	mar.-20	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 4 towers of 120 m for Power Curve testing

Location	Start	End	Project Description
Arauco - Argentina	dic.-19	feb.-20	Design, Fabrication, Supply, Assembly, Instrumentation and Commissioning of 2 mET. 5 of 85 m for Power Curve Test - PE Arauco
Santo Domingo - San Luis de Potosí México	nov.-19	mar.-20	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 2 x 80 m Towers for Power Curve Testing
Ojuelos - Jalisco - México	nov.-19	mar.-20	Design, manufacture, supply, assembly, instrumentation and commissioning of 4 x 87 m towers for power curve testing
La Amistad - Coahuila de Zaragoza México	nov.-19	mar.-20	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 1 Self-supporting Tower of 114 m for Power Curve testing
Reynosa - Tamaulipas - México	nov.-19	mar.-20	Design, Fabrication, Supply, Assembly, Instrumentation and Commissioning of 2 x 120 m towers for Power Curve testing
Cañadón León - Santa Cruz - Argentina	jul.-19	dic.-19	Design, Fabrication, Supply, Assembly, Instrumentation and Commissioning of 5 Power Curve Test Towers - PE Cañadón León
Atlántico - Colombia	jul.-19	oct.-19	Design, Fabrication, Supply, Assembly, Instrumentation and Commissioning of 1 mET. 100 m tower - PE Atlántico
Azul - Buenos Aires - Argentina	abr.-19	jul.-19	Design, Fabrication, Supply, Erection, Instrumentation and Commissioning of 3 x 110m Towers for Power Curve Testing - PE Los Teros
San José de Balcarce - Buenos Aires Argentina	mar.-19	may.-19	Design, Fabrication, Supply, Erection, Instrumentation and Commissioning of 1 mET. 86 m tower - PE Mc Cain
La Paz - Baja California - México	ene.-19	feb.-22	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 4 Wind Resource Towers of 60 m and 80 m
La Guajira - Colombia	nov.-18	ene.-19	Design, Manufacture, Supply, Erection, Instrumentation and Commissioning a 120 m Wind Resource Tower
Juan de Acosta - Colombia	jul.-18	nov.-19	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of a 100 m meteorological tower - PE El Morro
Atlántico - Colombia	jul.-18	sep.-18	Design, manufacture, supply, erection, erection, instrumentation and commissioning of a mET tower of 80 m.
El Rosal - Cundinamarca - Colombia	jul.-18	sep.-18	Design, manufacture, supply, erection, erection, instrumentation and commissioning of a mET tower of 80 m.
Bahia Blanca - Buenos Aires Argentina	may.-18	sep.-18	Design, Manufacture, Supply, Assembly, Instrumentation and Commissioning of 2 mET. towers of 86m for Power Curve testing - PE Corti
Sierra Grande - Chubut - Argentina	feb.-18	may.-18	Design, Manufacture, Supply, Erection, Instrumentation and Commissioning of a 108 m Wind Resource Tower
Boyacá - Colombia	ago.-17	feb.-18	Design, Fabrication, Supply, Erection, Instrumentation and Commissioning of 3 mET. Towers of 102 m - PE Ricaurte
Coronel Pringles - Argentina	ago.-17	sep.-17	Design, Manufacture, Supply, Erection, Instrumentation and Commissioning of an 84 m meteorological tower

CONTACT





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<https://www.linkedin.com/company/telener-360/>



<https://www.youtube.com/@telener3606/>

Mexico

USA

Argentina

Chile

Colombia

Spain

