



GENBA WIND SERVICES

GENBA
all renewable

GENBA
all renewable



GENBA Group

GENBA Group, which was founded in 1997, was established with the aim of providing services to both national and international companies. Our team specializes in project development, manufacturing, assembly and R&D in the renewable energy sector and is well-equipped to meet the sector-specific requirements for technical materials, engineering and quality services.

With 27 years of experience, GENBA Group has utilized its accumulated knowledge by establishing its own training center to support its employees. Moreover, our expansive facility sprawls over 12,000 m², providing a robust infrastructure for innovation and excellence.

Since its establishment, GENBA Group has achieved numerous firsts in the energy sector and operates on three continents with over 200 employees in six countries where its offices are located:

- ▲ Turkiye
- ▲ Morocco
- ▲ Romania
- ▲ Pakistan
- ▲ Netherlands
- ▲ Serbia





WIND IS IN OUR FOCUS

As **GENBA Wind Services**, we have assumed an effective leadership role in the renewable energy sector since our establishment. Proudly, we lead the industry with **Turkiye's first wind turbine installation, ARES ALAÇATI**, in 1998.

Today, as GENBA Wind Services, we proudly operate on three continents, extending our expertise to over 20 countries, including Romania, Serbia, the Netherlands, Morocco and Pakistan. With a dedicated and professional team of experts, we excel in delivering successful projects across various facets of the wind turbine sector.

Services

- ▲ Installation & Relocation
- ▲ Main Component Replacement Services
- ▲ Inspection Services (*Boroscope, Vibration, Blade*)
- ▲ Mobile Oil Change Services
- ▲ Blade Repair / Composite Services / Rope Access Works
- ▲ Scheduled & Predictive Maintenance
- ▲ Nacelle, Hub, Tower Repair
- ▲ Tower Internal
- ▲ Electrical Safety Test
- ▲ MV Works
- ▲ Repair and Maintenance Platform
- ▲ Welding Repair
- ▲ Special Operations (*Dismounting of Burned Turbine*)

▲ Installation & Main Component Replacement Services

Since 1998, our experienced team at **GENBA Wind Services** has been delivering effective solutions to meet the needs and expectations of our customers. We have successfully completed international and domestic mechanical and electrical installation operations for numerous major turbine manufacturing companies, prioritizing quality, environmental considerations and health and safety.

- ▲ Full Scope Installation projects
- ▲ Lifting / Assembling wind turbines
- ▲ Transport Coordination
- ▲ Wind Turbine parts loading unloading activities
- ▲ Installation and commissioning of service lift
- ▲ Turbine Relocation
- ▲ Main component replacement (*Blade, Hub, Gearbox, Generator, etc*)





TEAM EXPERIENCE



NORDEX

N80 N90 N100 N110 N117 N118 N131
N133 N149 N163 DELTA / BETA / GAMMA

GE

GE 1.6 GE 1.7 GE 1.85 GE 2.5 GE 2.75
GE 3.2 GE 3.8

VESTAS

V80 V90 V100 V112 V126 V164

SIEMENS GAMESA

G90 G97 G114 G126 G132

ENERCON

E45 E70 E82 E92 E136 E160

INSTALLATION PROJECTS REFERENCES

Since 1998, our expert team at **GENBA Wind Services** has executed successful installation projects in collaboration with various leading turbine manufacturers in the industry.



62,4 MW

Mersinli WF / TURKIYE
DELTA 4000 Installation
15 WTG



21,6 MW

Ovacık WF / TURKIYE
DELTA 4000 Installation
6 WTG



144,3 MW

MOROCCO
G132 Installation
37 WTG

INSTALLATION PROJECTS REFERENCES



10 MW

Dağpazarı WF / TURKIYE
DELTA 4000 Installation
2 WTG



30 MW

Geyve WF / TURKIYE
DELTA 4000 Installation
6 WTG



10 MW

Atares WF / TURKIYE
DELTA 4000 Relocation
2 WTG

INSTALLATION PROJECTS REFERENCES

SIEMENS Gamesa
RENEWABLE ENERGY



MOROCCO
G132 Pre-Assembly
82 WTG

SIEMENS Gamesa
RENEWABLE ENERGY



109,2 MW
PAKISTAN
G132 Installation
28 WTG

ENERCON
ENERGY FOR THE WORLD



17,5 MW
Matafor WF / TURKIYE
E138 Installation
5 WTG

INSTALLATION PROJECTS REFERENCES



50,04 MW

Gülpınar WF / TURKIYE
E160 Installation
8 WTG



3 MW

Ayyıldız WF / TURKIYE
V90 Re-Location
1 WTG



3 MW

JORDAN
V112 Installation
1 WTG

^ Scheduled & Predictive Maintenance



- ^ Annual maintenance
- ^ Semi-Annual maintenance
- ^ Break in maintenance (First 3 month torque check)
- ^ Trouble-shooting and services team support
- ^ Retrofit and repair works
- ^ Site technician support
- ^ Technicians team with fully equipped 4x4 cars
- ^ Maintenance support with hydraulic tools equipped teams
- ^ Torque activities



TEAM EXPERIENCE

GE

3.8 MW
BADAMSHA KAZAKHSTAN
ANNUAL MAINTENANCE

GE

3.8 MW
BADAMSHA KAZAKHSTAN
ELASTOMER RETROFIT

NORDEX

N80 N90 N100 N110 N117 N118 N131 N133
N149 N163 DELTA / BETA / GAMMA
4000-3000 TYPE-1, TYPE-3, TYPE-4
MAINTENANCE

SIEMENS GAMESA

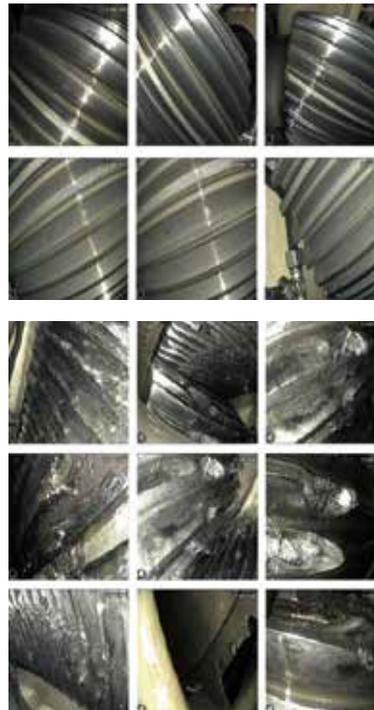
G132
MOROCCO
TROUBLE-SHOOTING AND
SERVICE TEAM SUPPORT



^ Borescope Inspection Services

At **GENBA Wind Services**, with our experienced team and state-of-the-art equipment, both domestically and internationally, we provide inspection services by proactively detecting potential damages and issues in turbine components such as gearbox, main bearing and generator.

Our advanced technology allows us to offer visual reporting for comprehensive analysis.



BORESCOPE INSPECTION

^ GE MENTOR VISUAL IQ

- Side view lens
- Side view measurement lens

^ Gearbox Inspections

^ Main Bearing Inspection

^ Direct drive turbines generator inspections

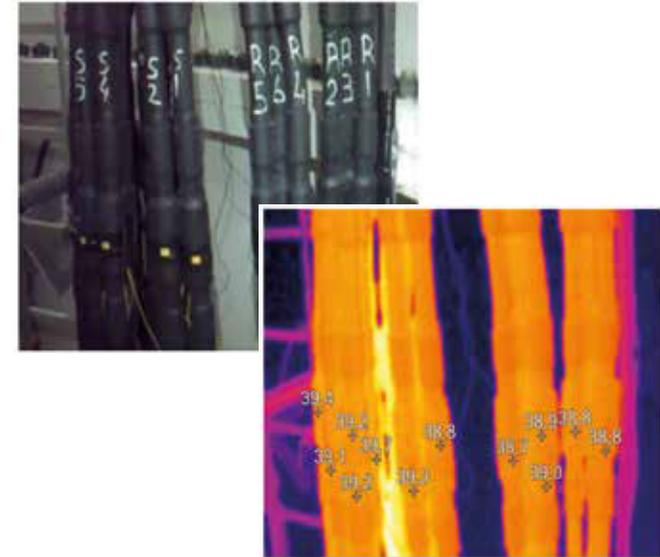


^ Vibration Analysis & Thermal Check

THERMAL CHECK



- ^ **FLUKE TIS40**
- ^ 20-350 Celcius degree measure range
- ^ 160x120 Resolution
- ^ Original picture and thermal picture can be monitored simultaneously
- ^ Lower mob & demob price
- ^ Flexible work periods
- ^ Quick action at urgent plans



^ Blade Inspection

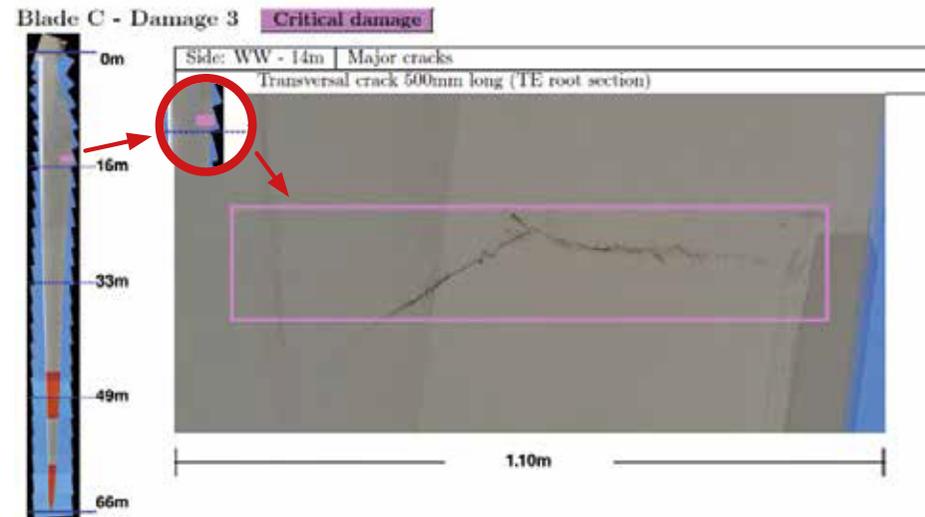


GENBA Wind Services specializes in inspecting the rotor blades of wind turbines on both land and sea.

The surface of wind turbine blades undergoes a systematic scan using inspection equipment from the ground.

Subsequently, images are optimized for quality and the blade geometry is reconstructed.

The inspection process takes place on a computer and the data is stored using the Cornis Blade Inspection web platform.



▲ Tower Internal Inspection



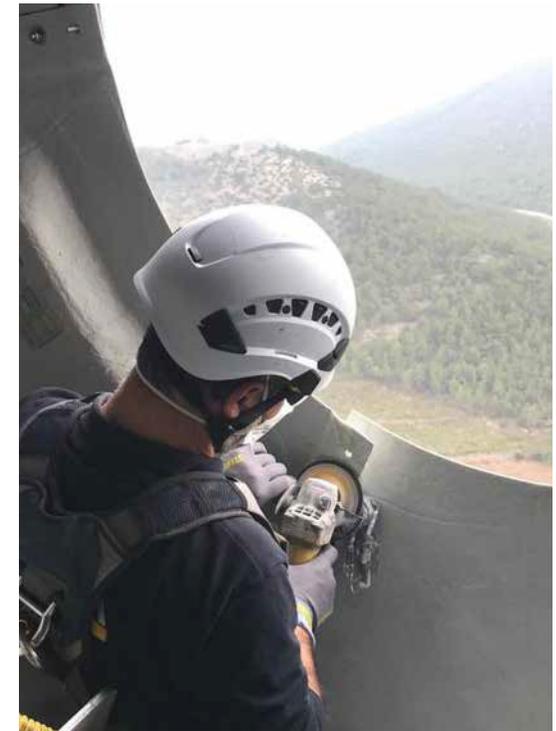
- ▲ Haca Fall Arestor System
- ▲ Hailo Ladder + Lift Module
- ▲ Zarges Service Lift Module 6000-3-5
- ▲ Zarges Ladder Module
- ▲ Skylotec RD Inspection
- ▲ Avanti Ladder System
- ▲ Avanti Rail System
- ▲ Abs System (Beta)
- ▲ Yale Nacelle Crane
- ▲ Dual Lift
- ▲ Tractel
- ▲ Liftket
- ▲ Fall Arestor Inspection
- ▲ Abseiling Certificate
- ▲ Sprat Rope Access
- ▲ Hailo Toplift L H200 SL-L

^ Nacelle, Hub, Tower Repair



GENBA Wind Services specializes in addressing cosmetic or structural damages during the repair process.

- ^ Nacelle Repair
- ^ Hub Repair
- ^ Tower Repair



^ Blade Repair Services & Rope Access Works



- ^ Blade Inspections
- ^ Blade Repairs
- ^ Vortex Generator Retrofit
- ^ Tower Corrosion Repair
- ^ UT inspection at welding points and Blade inner layers
- ^ Any rope access works outside or inside of turbine



▲ Repair and Maintenance Platform

*The Blade Maintenance Platform, crafted in-house by **GENBA Wind Services**, is specifically designed for use in Wind Power Plants, catering to blade cleaning and repair tasks.*



^ Electrical Safety Test

GENBA Wind Services performs electrical measurements, including those for low-voltage installations, throughout all phases of turbine installation and commissioning.



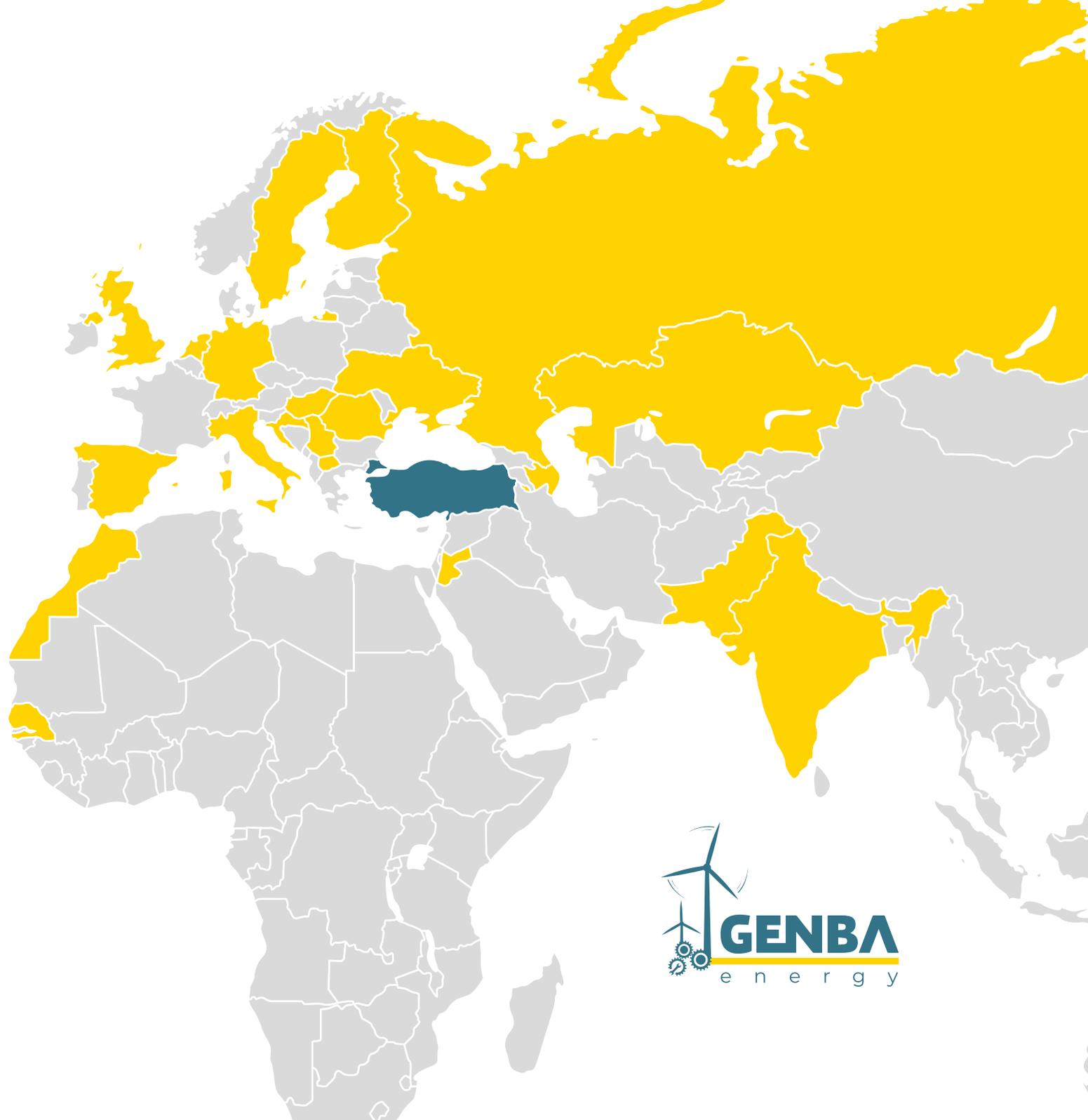
▲ GENBA Training Center

With a legacy of 27 years, we take pride in nurturing the skills and knowledge of our employees through a dedicated space designed for continuous learning and development. At **GENBA Training Center**, we believe that investing in education is an investment in success and we are committed to empowering our team with the tools they need to excel in their careers. Our training programs are crafted to align with industry trends and the evolving needs of our diverse workforce.





Turkiye
Italy
Sweden
Croatia
Ukraine
Senegal
Kazakhstan
Kosovo
Jordan
England
Germany
Netherlands
Romania
Finland
India
Hungary
Pakistan
Serbia
Morocco
Russia
Azerbaijan
Spain



Some of the Selected REFERENCES





 [genba.com.tr](https://www.genba.com.tr)



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