



VERTICAL MARKETS SERVED





We focus on helping our renewable energies sector; solar PV, offshore & onshore wind customers prevent potential quality challenges, as well as, solving them down to the root cause if and when they occur.

QUALITY CERTIFICATIONS

DNV·GL









www.trigo-group.com





TECHNICAL CAPABILITIES

TECHNICAL ASSITANCE RENEWABLES ENERGY PROJECTS

Schedule:

Supplier evaluation audit & approvals

Documental and technical review

Development quality procedures & ITP's

Supplier expediting audits

Surveillance and Vendor Inspection

FAT's & SAT tests, reception & inspection

On site technical supervision: mechanical, electrical, civil

coating - FROSIO / NACE

QA / QC services on site

Project manager & Managing

Commissioning services -supervision

ADVANCED MEASUREMENT TECHNOLOGY FOR DIMENSIONAL CONTROL

Geosystems laser station

Laser tracker

Absolute laser tracker

Optical square levels

Microalignment telescopes

Transit (theodolites)

Laser interferometer

Laser scanner - 3D inspection



The TRIGO methodology for audit includes among others:

Supplier/manufacturer approval and first product audit.

Control and evaluation of assembly processes

Documentary control of quality material & delivery certificates

Dimensional controls supported by instruments

Control of mechanical and electrical characteristics

Functional final test of each systems

Reception & Control finish

Identification and marking and configuration status

Packing and labelling

Service report



TECHNICAL ASSISTANCE. SUPERVISION AND **COMMISSIONING ACTIVITIES** -ON SITE-



QUALITY ASSURANCE, IN CONSTRUCTION CSS PLATFORMS WIND OFFSHORE PROJECTS

DIMENSIONAL QUALITY CONTROL - METROLOGY. MEASUREMENT AND EVALUATION.

Dimensional control of structures and offshore OSS platforms & jackets, dimensional analysis using 3D technology and laser tracker of monopile flanges, monitoring and levelling of naval communication systems, etc.

Support to on site management in the construction of photovoltaic

plants, offshore & onshore wind

Carrying out engineering and quality assurance services,

assembly & quality supervision

Support to Quality Departments for

products, processes and systems

Auditing and approving suppliers,

documentation. Supervising FAT

Support to Quality Assurance and

Quality Control & Supervision for

Manufacturing & Construction for

renewables projects: Offshore

Wind, Phtovoltatic plants &

Biomass plants.

testing, product reception and

auditing the first product, assessing

audits at supplier's premises.

certificates and quality

shipping certification.

farms and Biomass plants.

and quality control.



CUSTOMER EXPERIENCE

KEY FIGURES







20+ YEARS EXPERIENCE

QUALITY ENGINEERS

ENGINEERS, AUDITORS, TRAINERS, SUBJECT MATTER EXPERTS, RESIDENT ENGINEERS, QUALITY LIAISONS, TECHNICIANS, SITE MANAGERS

AND TECHNICIANS

WHO RELY ON US TO DELIVER QUALITY SOLUTIONS AROUND THE GLOBE

26+ **COUNTRIES** LOCAL RESOURCES AVAILABLE 24/7

PERMANENT TEAMS IN

MANUFACTURING SITES

SUPPORTING 160+ OEM PLANTS

+10.000 **QUALITY PROFESSIONALS** WORLDWIDE

TRUSTED BY

AEROSPACE OEMS AND THE TOP 5 HEAVY TRANSPORTATION OEMS

420M€ / \$465M

IN SPAIN...



ANUAL REVENUE

PROJECTS

IN SPAIN, INDIA, CANADA, USA, FRANCE, CHINA, GERMANY, UK, PORTUGAL, TURKEY, HOLLAND, JAPAN, INDONESIA, MOROCCO

PROFESSIONALS IBERIA

CITIES WITH ACTIVITY

Puerto Rea

Barcelona Vitoria

TRIGO GROUP GEOGRAPHIC FOOTPRINT

AMERICAS

USA | Canada | Mexico | Brazil

China | India | South Korea | Japan Thailand | Vietnam | Singapore

EMEA

France | Germany | Hungary | Spain | Romania | United Kingdom | Russia | Slovakia | Slovenia | Turkey | Serbia | Czech Republic | Belgium

AFRICA

Morocco