

NTS Certification for Connection to the Spanish Electricity Grid

Ensures the compliance of renewable energy generation plants and their main components with European and Spanish regulatory requirements.



What is NTS certification?

NTS Certification (Technical Supervision Standard in English) is a requirement in **Spain** for **electricity generation facilities**, especially **renewable ones**. This certification verifies that these plants meet the necessary technical criteria for a **safe and stable connection** to the **national electricity grid**. Its objective is to ensure the **reliability** of the **electricity system** when **integrating new energy sources**.

As an **ENAC-accredited certification body and testing laboratory**, at **Applus+ Laboratories** we offer a **comprehensive NTS certification service**. We guarantee that both the **equipment** and the **electricity generation systems** comply with the necessary **technical and regulatory requirements** for their integration into the **Spanish electricity grid**.

What Are the Benefits of NTS Certification?

- **Regulatory Compliance:** We ensure that your equipment and your generation facilities comply with **Spanish NTS grid connection regulations**.
- **Experience and Knowledge:** We have a team of **experts** with extensive experience in the **certification of energy generation and storage equipment**.
- **ISO 17025 and ISO 17065 Accreditation by ENAC:** Our ISO 17025 and ISO 17065 accreditations by ENAC guarantee the **validity and recognition** of our **tests** and our **certifications**, both **nationally and internationally**.

- **Comprehensive Support:** We offer complete support throughout the entire **testing and certification process**, from the **initial assessment** to the **issuance of the certificate**.

The Scope of NTS Certification

NTS certification covers both **peninsular and non-peninsular systems** and includes the certification of:

- [Wind power generation plants](#)
- Photovoltaic plants
- Solar inverters
- Storage converters
- STATCOM
- PPCs

What is the NTS Certification process?

1. **Initial Assessment:** We carry out a **preliminary assessment** of the **equipment and systems** to identify the specific **certification requirements**.
2. **Testing and Verification:** We conduct **exhaustive tests** to verify compliance with NTS regulations.
3. **Results Report:** We issue a **detailed report** with the **test results**.
4. **Certificate Issuance:** Once all requirements are met, we issue the **NTS certificate of conformity**.

Why choose Applus+ Laboratories for NTS certification?

At [Applus+ Laboratories](#), we analyse each project individually to define the **most efficient certification strategy, optimising resources and time**. Our experience in **NTS certification and power electronics** allows us to identify the **key elements** that must be tested to **maximise the scope** of the certification with the **minimum number of tests** necessary.