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Experts in metrology 4.0 & 3D digitization

About us

Dogram is an engineering company specialised in the management and implementation of **metrology 4.0** and **3D digitisation** projects

"Our projects reflect our technical expertise, our investments in innovation, quality, and safety, the well-being of our team, as well as the rigour and professionalism we dedicate to serving our clients."



Professionalism at the service of the client







Offshore Wind: Multidisciplinary Solutions

Dimensional control of foundations: Transition pieces, Monopiles, Pin Piles, Jackets **Review** & **verification** of existing QA/QC dimensional control procedures

Adaptation & validation of measurement procedures, both onshore & offshore Technical assistance & definition of metrological procedures/requirements for the manufacturers



and the second

Our technologies



Our progress from 2021

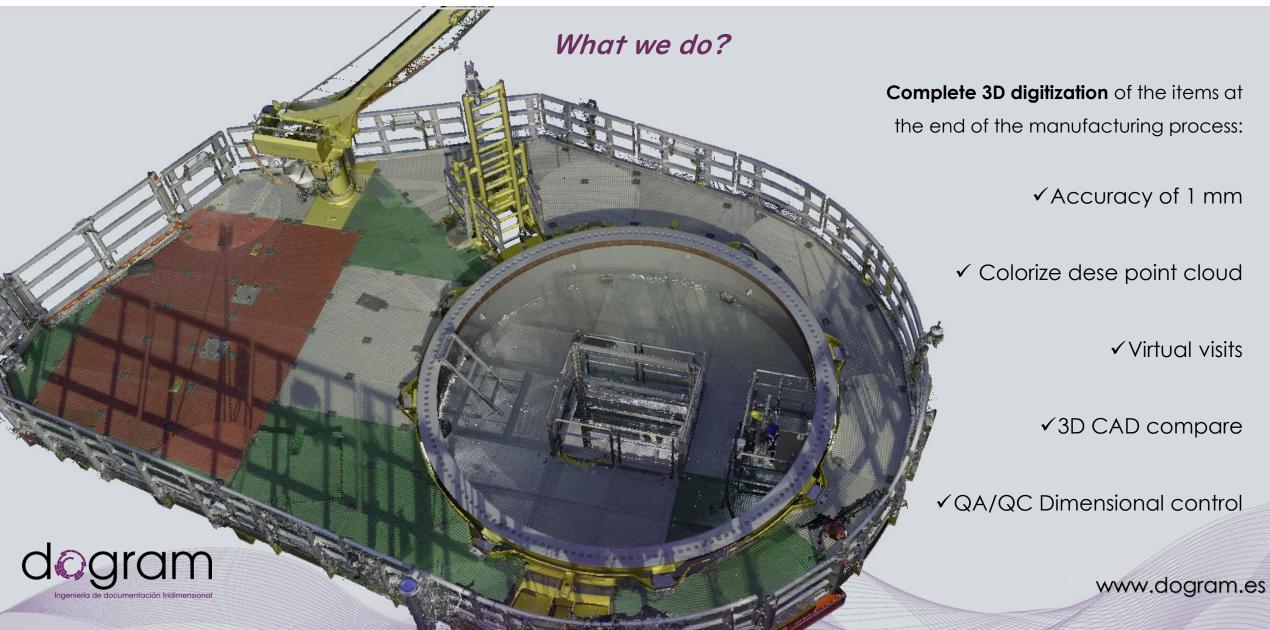
Holistic methodology to improve traceability and communication between parties: design, manufacturing, transport, assembly and installation.

Verification & Validation of measurement procedures adapted to conditions and integrating different technologies

Execution of dimensional inspections of critical parts of the connection flanges

Development and implementation of an offshore measurement methodology and validation through Mock Up.









Advantages

- Reduce unnecessary costs during transport and assembly phases
- Ensure the geometry of the final product
- Increase accessibility to information through 3D digitalisation: training, engineering, maintenance...

- \checkmark Settle responsibilities
- ✓ Reduce project delays

Contribution to the manufacturing and installation process of offshore wind farms



Saint-Brieuc Wind Farm

- Onshore verification before transfer
 Implementation of new technologies
 - 62 Jackets DC

a de documentación tridimensiona

186 Pin DC verification



Baltic Eagle Wind Farm

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- Technical Assistance consolidating dimensional control procedures across relevant suppliers
- Wind farm Transition Pieces Third
 party DC verification
- Wind farm Transition Pieces Third party DC verification in the assembly phase (offshore)
- Third party Monopiles DC verification



Vineyard Wind 1

50+ Transition Pieces Third party DC
 verification

Thank you very much for your attention

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