

Siemens Gamesa Offshore Construction Training and Deployment Processes Go Digital

Success Story

SIEMENS Gamesa
RENEWABLE ENERGY

Before

- ✘ Time-consuming, manual training process
- ✘ Loss of paper training documents on remote sites
- ✘ Limited control over training evaluation process

After

- ✔ Reduced technician training time and deployment costs with automated workflows
- ✔ Secure data updated in real-time using customized digital logbooks and checklists
- ✔ Accelerated approval and verification with e-Signatures

“Fluix allowed us to reduce the training time and made it easier for technicians to upskill on multiple projects.”

Susanne Svenningsen
Training Program Manager



Simple Workflows With A Huge Impact

Background

With highly demanding quality and safety requirements and high technical complexity of products, the world's largest offshore wind turbine manufacturer, Siemens Gamesa, performs continuous upskilling of technicians through on-job-training on offshore construction sites.

Challenges

Siemens Gamesa, Offshore Construction employs nearly 1,000 technicians working offshore on different geographical locations and they faced huge challenges when upskilling and deploying technicians:

1 Time spent on training

With constant rotations of technicians and remote locations, keeping track of on-job-training on paper and in Excel was time-consuming and challenging

2 Data damage or loss

Technicians' significant travel schedules increased the risk of losing necessary on-job-training documentation.

3 Signature verification

Getting all the required documents approved and signed by various parties was challenging.

Solution

The renewable energy company was looking for a transparent, automated and leaner solution to replace the previous manual paper processes. The Siemens Gamesa on-the-job training and deployment processes were optimized by implementing:

- 1 **Customized digital technician logbooks** with an organized process to track progress of on-the-job-training and upskilling. Each logbook consists of onsite task lists performed under the supervision of a trainer and must signed off and approved by various parties on site and in the back-office.

“Thanks to our digital logbooks, we make sure that our technicians have all the needed competencies and that they have been approved by everyone involved in the process”, stated Christian Munck Jørgensen, Training Specialist

- 2 Deployment readiness checklists of all mandatory requirements to be fulfilled and validated before going to site (e.g. inductions, personal protection expiration, valid work visa etc.). Technicians must confirm each requirement in order to get the final “go” to be allowed to travel to site.

Results

- ✓ Reduced training time
- ✓ Improved deployment of technicians
- ✓ Easy overview of the progression of each technician’s upskilling
- ✓ Reduced deployment costs

- ✓ **Accelerated approval process** for technicians with digital logbooks and automated workflows, eliminating time-consuming, manual paper processes
- ✓ **Validated verification process** with e-Signatures, ensures correct sign-off
- ✓ **Secured data with real-time updates** and quick summary of technician’s progress on digital logbooks and checklists
- ✓ **Quicker deployment process** and easier global rollout using Flux

“The platform is extremely user-friendly and we can quickly add new individuals to our training projects – and we receive excellent support from the Flux team at any time.”

Christian Munck Jørgensen
Training Specialist



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