ORION



CUSTOMER SUCCESS STORY

Real-time execution control for large-scale repetitive construction

90%+
EXECUTION UNITS MONITORED DAILY

0%
PAPER-BASED REPORTING

+50pts
EXECUTION COVERAGE EXPANDED BEYOND INITIAL TARGET

PROJECT	BUDGET	YEAR	CUSTOMER
Sunny PV & Sunny PV 2	€177,811,741	2024 – Ongoing	Acciona & Abengoa
LOCATION	**PROJECT TYPE**	**SCOPE**	**SOLUTION**
Peru (LATAM)	Industrial and energy	Execution monitoring and progress validation across photovoltaic construction activities	Digital real-time execution control and reporting platform

THE CHALLENGE

Managing complexity at scale

Utility-scale photovoltaic projects involve simultaneous activities across vast surfaces, with large numbers of workers, subcontractors, and materials moving in parallel.

For Acciona, maintaining daily visibility over execution progress was essential to keeping the project aligned with contractual milestones. Yet the existing process—paper-based daily reports manually consolidated the following day—created delays that limited the ability to react in time.

"On projects of this scale, losing even one day of visibility means losing the ability to react effectively."

MA Liñan, Project Leadership

THE SHIFT

From reporting delays to real-time control

Acciona's objective was clear: gain real-time visibility into execution deviations against the project schedule.

The team needed more than digitized reporting—they needed a system capable of accurately representing construction progress in the field and enabling operational decision-making.

> *"We needed a tool that reflected the reality of the field—not just another reporting system."*

THE SOLUTION

Digitizing execution at scale

Acciona selected the platform for its ability to faithfully represent construction elements in a mobile environment, with graphical visualization through Google Earth.

This gave field and management teams a shared, real-time view of progress, enabling instant validation of executed units and continuous comparison against planned milestones.

> *"The graphical representation of the project gave us a completely different level of control."*

THE TRANSFORMATION

Daily control, better decisions

As the first project to implement the platform, the rollout combined product development and operational deployment. The initial version required six months of collaborative development before going live; over the following 12 months, the system expanded from a limited scope to controlling more than 90% of project execution units.

The new workflow connected subcontractors, supervisors, coordinators, and project leadership through a single validated execution stream, enabling earlier detection of deviations, improved coordination between concurrent activities, and stronger schedule control.

> *"Daily control of baseline deviations allowed us to actively manage execution rather than simply report on it."*
>
> Execution Management Team

LOOKING AHEAD

Scaling across energy infrastructure

Following its success in photovoltaic construction, the solution is now being extended to transmission lines, substations, BESS, and wind projects.

Acciona's long-term vision is to evolve the platform into a construction intelligence system capable of linking execution data with materials, labor, and performance metrics for future planning and optimization.

IMPACT AT A GLANCE

- Daily control of 90%+ of execution units
- Complete elimination of paper-based reporting
- Real-time visibility for project leadership
- Daily deviation tracking against contractual schedule
- Improved supervision resource allocation
- Earlier identification of execution risks
- Stronger coordination across parallel activities
- Voluntary subcontractor participation in reporting
- Expanded scope from 40% to 90%+ of project cost control