

A large, complex industrial structure, likely an offshore oil and gas platform, is shown against a clear blue sky. The structure is composed of numerous tall, lattice-like towers and a central deck area. The platform is situated on a body of water, with the horizon visible in the distance.

# DEVELOPMENT OF END-TO-END DIGITAL PLATFORM IMPROVES WORKER SAFETY AT OIL & GAS PLANTS

## CLIENT OVERVIEW & REQUIREMENTS

This client is a Fortune 500 global management consulting and professional services firm. The firm needed a digital platform for end clients to connect industrial workers in Oil & Gas plants while addressing worker safety risks and schedule and budget overruns.

## KEY CONTRIBUTIONS

- Xoriant developed a cloud-based digital platform for end clients' connected workers
- We provided end-to-end services including UX design, development and QA
- We architected the application to take advantage of Azure Service Fabric and implemented API versioning and client-specific API maps using Azure's API management services
- We developed customized dashboards using data from OMS and Application Insights
- Defined alerts ensure service health and SLAs are maintained

## KEY BENEFITS

- Enabled end clients to monitor worker fatigue and maintain safety compliance
- Improved efficiency with real-time visibility into workers' location and availability
- Maximized time in plant and optimized site headcount
- Reduced production downtime by identifying bottlenecks earlier in the cycle
- Cloud-based platform reduced licensing and infrastructure costs
- Automated QA processes and policies identify issues and automatically roll back affected services

## TECHNOLOGY STACK

- Angular Js
- .Net Core
- MS Test
- Swagger
- Windows Active Directory
- SQL server
- Soap UI
- Visual Studio



### About Xoriant

Xoriant is a Silicon Valley based product engineering, software development and technology services firm with offices in the U.S., Europe and Asia. For both technology companies and enterprises, from startups to the Fortune 100, we leverage our expertise in emerging technologies and our high-performing teams to deliver innovative solutions that accelerate time to market and keep our clients competitive.

Across all our technology focus areas –Product Engineering, DevOps, Cloud, Infrastructure & Security, Big Data & Analytics, Data Management & Governance, Digital and IoT –every solution we develop benefits from our product engineering pedigree. For 25 years and counting we have taken great pride in the long-lasting, deep relationships we have with our clients. Learn more at [www.xoriant.com](http://www.xoriant.com).