

### Faster Product Delivery Validation With Xoriant's iQEAssist Harnessing GenAI

*Transforming QE processes for organizational practices & platforms for applications delivery to achieve rapid, reliable and robust delivery*



In the ever-evolving landscape of digital innovation, where technology interconnects ease with the complexities of plant management, our client, a plant management platform provider, sought to revolutionize their Quality Engineering (QE) processes.

### Challenges

The client faced challenges encompassing the need for efficient automated regression testing that created a gap in understanding of the application's documentation.

Navigating through multiple requirement documents and JIRA user stories

Calibrating manual test cases as per dynamic requirements and teams

Need for rapid knowledge transfer to the technology partner

### Collaboration

Leveraging our experience in Quality Engineering (QE), the Xoriant team identified the nuances of the client's struggles and provided a tailored and strategic approach to address the intricacies.

#### Implemented

Inbuilt prompt templates powered by iQEAssist – our generative AI tool for QE, secured in our robust Azure infrastructure

#### Augmented

Overall test coverage, mitigating missed test scenarios leading to a remarkable 70% reduction in test design phase times.

#### Streamlined

Time-to-market by addressing complexities in processes and data reporting

#### Introduced

Q&A Bot to address the need for quick knowledge transfer and efficient onboarding of team members

### Business Value



#### Achieved

70% coverage in test case generation providing complete shield against vulnerabilities



#### Boosted

Accuracy by 80% freeing up manual testing efforts for exploratory testing



#### Enhanced

Test coverage and efficiency by slashing test design phase time by 70%

### Technology Stack

**Python | Azure AI | Azure AD | Azure Storage | Azure Search | Azure Functions | Azure Web App | React | JavaScript**

Xoriant provides advanced technology solutions and software development services for global banks, software product companies and F500 market leaders. Based in the U.S. with 18 global offices and 5000+ engineering professionals, Xoriant demonstrates exceptional experience in banking and finance infrastructure modernization and cloud migration. We deliver expert digital engineering, as well as offsite and offshore services, across high tech, healthcare, pharma, industrial manufacturing, telecom, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.