

Leading UK-based pharmaceutical company achieves 300% improvement in COVID-19 screening process using high-end data and process integration solution

Challenges

- The client had 18000+ frontline staff who needed to undergo regular COVID-19 testing before entering a production site. Without an immediate solution with scalable impact, employees would have had to wait for national testing facilities, delaying daily operations and leading to the suspension of critical medicine production.
- Assessing the urgent need to continue business as usual, the client needed to scale up the screening efficiency in manufacturing and other business divisions and support employee family members' testing.
- With manufacturing operations spread across multiple countries, the organization needed a comprehensive solution that could enable hassle-free, compliant operations per the different government guidelines to meet the crisis needs.

Solution

- Virtusa's cloud-based solution used data visualization capabilities of Power BI fuelled by Talend's data integration, and rapid App-ification capabilities of Power App to deliver a hyper functional app, enabling insights led decision making across the mobile & desktop solution.
- The solution helps key workers easily register through an app or URL link by entering their personal details and answer questions about COVID-19 symptoms. Via the app, qualified personnel triage the individual with appropriate testing protocols.

Value delivered

- Over 300% improvement in cycle time from screening-to-delivery of results
- Over 3X faster sample handling capacity
- Quick solution deployment within two weeks post user acceptance testing and zero defects in data integration
- Improved solution compliance with sustainable rollout plan across the UK, Sweden, US, Poland, and other countries
- Resulted in labs achieving the highest standards of government certifications on quality and compliance
- Enabled the client's personnel to use the certificate for business travel
- Improved workplace safety