Return to Office Web Application

Major Transportation Authority in the Northeast

OVERVIEW

Stellar's longtime client, a major transportation authority in the Northeast, required a custom, internal web application. The organization's Engineering Department needed to proactively develop safe seating plans for the phased return of staff to their pre-COVID-19 workspaces. Our team built this application and has been continuously updating it as the pandemic changes.

APPROACH

The RTO web application was built using a technology stack that includes JavaScript, React, Bootstrap, Python, and AutoCAD. It utilized several different versions of ArcGIS including ArcGIS API for JavaScript, ArcGIS REST APIs, ArcGIS Pro, and ArcGIS Desktop. The application was hosted on Stellar's server for staging and on the client's Azure Government Cloud for production.

SOLUTION

The Stellar team successfully created a robust web application for the Engineering Department in preparation of return to office. It can be accessed through the Engineering OnLine (EOL) portal and is integrated with the Staffing Center application and global enterprise calendar. The application features heat mapping, role-based permissions, and stores planned and actual seating data to enable forensic analysis when necessary.

RESULTS

The application has undergone periodic updates to adapt to changing COVID-related regulations/ guidelines and evolving organization requirements. All of the Engineering Department, consisting of over 1,000 staff, use the RTO application to enter seating plans, review and approve the plans, or review approved seating assignments. Stellar's web application has helped this essential organization seamlessly return to work and continue to serve its metropolitan area.

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