

Pull-Planner™ 5.0 Description

Pull-Planner 5.0 is a cloud-based solution. It is a specialty calculator that sequentially calculates pulling tension based on physics equations and user input. The user is responsible for all the input used in the calculations and the accuracy of that input, as well as any calculations based on that input. The application is made up of multiple web applications hosted in the Microsoft Azure Cloud with a database backend. It is accessed via web browser and HTTPS.

Security

Best practices are used to securely store data in the cloud. The application is protected from zero-day vulnerabilities and the core OWASP top 10 attacks. Data is stored securely in US-based datacenters.

Customer Data Separation

Customer data is segmented by organization so that organizations only access projects and pulls that were created by staff from their own organization. Client data stored in a single database, and accessible only by using the application with the appropriate permissions; no direct access to data is given to any client.

End-to-End Encryption

The application is developed to ensure data remains encrypted and protected throughout its entire lifecycle, from the moment it leaves the user's browser and is transferred to the cloud servers and when it is stored. The use of Azure Key Vault, Azure Storage Service Encryption, and Azure Disk Encryption ensures that the data is stored securely and remains protected. Auth0 is used to securely store user account credentials, and user accounts are local to Pull Planner.

Physical Security

The Azure data centers are equipped with state-of-the-art physical security measures, including access controls, surveillance, and redundant systems.

Application Specific Technologies

- .NET 7/8 & ASP.NET – Backend Framework
- Blazor WASM – Front-end Framework
- MudBlazor – UI Component Library
- Serilog – Logging platform
- Entity Framework – Data Access
- Azure App Service – Hosting
- QuestPDF – PDF file generation
- ClosedXML – Excel file generation

Background Services

- .NET 7/8 & ASP.NET – Backend Framework
- Serilog – Logging platform
- Entity Framework – Data Access
- Azure Function App - Hosting

Supported Browsers

- MS Edge
- Chrome
- Firefox
- Safari

Supported Languages

- English (US)
- French
- Spanish
- German