Charter Global

CASE STUDY — SharePoint & Office 365 Automation
Global Specialty Chemical Company

Charter Global's SharePoint provisioning automation tool increases productivity and reduces labor hours.

About Company

The client is a technology-driven global company that provides complex specialty chemicals for the transportation, industrial, and consumer markets. The client is among the top performing Fortune 500 chemical companies and serves customers in more than 100 countries. Its products include additives for engine oils and transportation related fuels, as well as industrial lubricants and additives. The company also produces ingredients and additives used in personal care markets and pharmaceuticals.

The Challenge

The client employs approximately 9,000 people around the world, operates manufacturing facilities in 17 countries, and has global sales and manufacturing networks. This broad geographical reach enables the client to deliver products and services when and where its customers need them. But it also creates productivity challenges. The client had implemented SharePoint, but its IT resources could not keep up with the overwhelming demand to create SharePoint sites for each of its business segments.testing.

The client needed specialized Microsoft SharePoint developers to augment its IT team and lead automation of its SharePoint site provisioning. It also needed guidance on best practice industry tools and processes for implementing, enhancing, and quality testing.

Solution

Charter Global brought together a team of specialized consultants and developers skilled in Microsoft SharePoint Client Side Object Model (CSOM) and PowerShell with SharePoint for Microsoft Office 365.The team was focused on building a SharePoint site provisioning automation tool in-house. They also defined the scope and limiting factors of data for security groups and user permissions at the site level for list columns and libraries.

The team worked with business analysts on new enhancements and design change requirements. Charter Global consultants also designed and developed the site-specific architecture patterns and governance rules for the client's SharePoint site. They coded PowerShell scripts and CSOM to automate SharePoint site provisioning in Office 365 using XML Schema.

Results

Automation of the SharePoint provisioning site using Office 365 significantly improved productivity. The project resulted in a savings of 6,000 labor hours for users and for the client's IS development team. Building the provisioning tool in-house enabled the client to accomplish its business goals without incurring additional expense of a third-party tool.

As part of the newly designed site, rules were set to govern the number and types of sites and list columns that users could create. With the new ability to specify metadata for content, they were able to tag and search documents more effectively. In addition, sufficient content repositories were created for users, and they were provided with a set number of list types ensuring that the site would stay organized. With the new technology improvements implemented by Charter Global, the client could focus on optimizing its business without overwhelming its IT organization.

Why Charter Global

- Founded in 1994; Headquartered in Atlanta, GA with development centers in the U.S, India, and Serbia.
- Developed a portfolio of over 100 successful project implementations.
- Nearly 1000 full-time IT professionals support client projects.
- Established customer base of Fortune1000 industry leaders.
- Our experience spans pharmaceutical, manufacturing, telecom, finance, health care, media / entertainment, airlines, energy, retail and hospitality industries.
- Active database of nearly 2M consultants.
- Experienced Talent acquisition teams support client projects.

About Charter Global

Charter Global drives innovation in IT projects and business operations by defining strategy and providing consulting, digital solutions, custom development, and skilled resources. With an established customer base of Fortune 1000 industry leaders and over 100 successful project implementations, our experience and proven methodologies enable our professionals to deliver industry leading solutions in cloud technologies, open source, DevOps, mobility, CRM, AI/ML, AWS, SAP, Microsoft & Pega BPM.