



Name – [Wrench Solutions](#) | Industry – [Other](#)

**SmartProject, developed by Wrench Solutions, uses Microsoft Azure to help infrastructure companies deliver projects on time, and within budget**

[Wrench Solutions](#) is a leading provider of project management information solutions for the engineering and construction industry. Founded in 1994, the company now has a presence in 13 countries.

Through its proprietary platform - Wrench SmartProject – the organization helps owners, contractors, designers, and

consultants coordinate and synchronize all the elements of their projects. This has ensured proper management of project stakeholders, information, and resources in accordance with the company's defined standard processes. The platform has been used on more than 9,000 projects across 26 countries.

#### [Evolving to a cloud-based platform](#)

Wrench Solutions primarily helps infrastructure companies deliver their projects on time and within budgets. Its SmartProject platform integrates all stakeholders of a project in a single place and enables everybody to work in a collaborative way.

The organization wanted to extend the capabilities of its platform, and it needed a reliable, secure and accessible cloud-based solution. Microsoft Azure cloud platform was a preferred choice because

all Wrench Solutions' applications are Microsoft-based (SQL, Office 365, asp.net, etc.), and integration was easy.

Most infrastructure projects face delays or huge cost overruns. But with the Azure-powered SmartProject, integration and collaboration of owners, contractors, design companies, vendors, etc. working on the project from different locations is possible. SmartProject facilitates customers with the ability to monitor and control the project, prevent cost overruns and meet deadlines.

"Customer data in cloud, like drawings and documents need to be extremely secure," says Aju Peter, CTO, Wrench Solutions. "A lot of companies were initially against hosting their data on cloud. But that changed with time as customer trust grew, and adoption went up, especially during the pandemic, when cloud-based solutions proved to be a savior for businesses."

As customer organizations are still in the adoption stage, Wrench offers both the on-premises and cloud versions of SmartProject.

### The combined benefits of Azure and Power BI

The organization believes that the best way to help customers is to help them gain insights and enable them to take well-informed and sound decisions to move ahead. To make these critical decisions, they need reliable and structured information. An infrastructure project collects huge chunks of data every day from field services, commissioning, vendor ecosystems, design engineering, suppliers, and so on. To help customers derive useful insights out of this data, Wrench Solutions has built several dashboards on Power BI.

"Using the data sources from Azure, our clients can build customized reports using Power BI and get very useful insights on the project data," says Manesh Alias, Head of Projects at Wrench Solutions. "Its ease of use and viability makes it a preferred tool for dashboarding and reporting, and with the advent of AI framework, Power BI is poised to be the dashboarding and reporting platform of the future."

### Driving better integration with a cloud-based model

One of the most significant differentiators of the cloud-based SmartProject is how it changes the costing model of the project itself. Traditionally, for installing a system like this required first creating a CAPEX infrastructure, which meant investing on servers and data center maintenance. But with the cloud, an engineering company needs to invest in capabilities only for the purpose and duration of the project. So it becomes part of the project execution cost, which is far lower than the more permanent CAPEX. This arrangement makes the cloud model more attractive and viable for organizations handling infrastructure projects.

The integration of data and collaboration in one place is one of the most important functions that SmartProject provides. This gives infrastructure companies a holistic view of how their project is progressing and how activities can be optimized.

"Today there are many applications in the market that individually handle different pieces of the management of projects, but these exist in silos," says K.V Daniel, CEO, Wrench Solutions.

"SmartProject has all these functions in one piece. If a customer wants a system to monitor and

control the projects, to deliver it on time and within the budget, an integrated system is a better choice.”

## Looking Forward

Wrench Solutions is building a lot of intelligence in its dashboards and reports using the Azure AI platform. There are still many manual processes that infrastructure companies have not replaced with automated systems in areas like tracking availability of personnel over the lifetime of a project and quantifying their productivity for better optimization.

“Since the project execution is not done by a single organization, but collaboratively by a number of entities, there still exist some difficulties in keeping a track of the different activities and contextualizing them in terms of a single view,” concludes Daniel. “We are currently working on systems that automatically capture data from different activities, using various technologies like advanced imaging and drone tech. This data will be more clear and transparent and project managers will be able to make better-informed decisions based on the insights from this data.”

Pull quotes:

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