WEBDUNIA

Construction Tracking System for a telecom provider

Construction management system

Construction tracking

The Client

The client is the India's largest private sector company and the first telecom operator to hold pan India Unified License for 4G. They are determined in enhancing and automating their construction process by giving proper training to their vendor. The client is focused to provide reliable (4th generation) high speed internet connectivity, rich communication services and various digital services on pan India basis in key domains such as education, healthcare, security, financial services, government citizen interfaces and entertainment.

Business Challenges

- Tedious manual processes of tracking and management of the whole construction process
- Automated system to monitor and manage the construction process for their 4G project in every subsidiary of India

Areas of Engagement

- Route/Section with the Contractor
- Work Order based on Landmark
- Construction progress
- Material management
- Resource planning
- Alerts and notifications
- MIS Reports

Technology Used

Web Application

- ASP.NET 4.0
- Visual Studio 2010
- .NET Framework 4.0
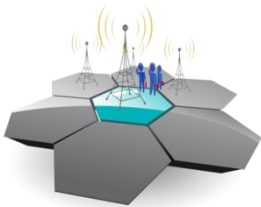- JavaScript
- SQL server 2008
- SSRS

Engagement Brief

Webdunia built a competent solution to manage all client's requirements with functionalities like:

- Route/Section with the Contractor, Work Order based on Landmark
- Construction progress in the stretch of 1KM/500Mtrs/20Mtrs for various construction steps like Ducting, Blowing, Splicing and others
- Material Management and alert if material in stock is less than required
- Manpower and Resource Planning
- Facility Deployment Tracker (Civil and Electrical Construction)
- SEB DN Creation, Approval and Payment Process
- Construction Planning to track length of each kilometer including, railway, bridge and road crossings
- Facility Management to track construction of each facility as per different steps including demand note creation, approval and its payments
- Proper Approval flow for various business activities
- Auto generated alerts and notifications at various
- Online ITP Sheets
- Alerts and Notifications
- Consolidated Report through Notification with given frequency
- Search and MIS Reports
- Role based login

Business Benefits

- Easy project management and tracking
- Reliable process flows with subsidiary and access management
- Secured network management by permissions definition to track construction progress for every kilometer
- Centralized management with systematic approval flows for every function and activity
- Progress reports and graphics to analyze project

About Webdunia

Webdunia, is a CMMI Level 3, localization and software solutions provider to businesses across the world. With over 15 years in the industry, we deliver industry-led localization, translation, multilingual content management, and software solutions and services to address specific needs of particular business requirements. We have a proven delivery record of offering high quality solutions to help our clients excel globally on any technology platform.