TECHNICAL DRAWING MANAGEMENT SOLUTION (TDMS)

About:

NeST developed this web/desktop solution for a Middle East based utility service provider to ease their work while handling drawings related to the various facilities and assets in a utility network.

Objective:

The project objective is to develop a solution encompassing an engine that allows GIS users to select drawings, Catalogue, Attribute, and store it in the GIS enterprise repository. Also it should enable the users to modify or delete a drawing stored in the system based on the user privileges set in the application.

Project details:

TDMS solution has been developed to deliver following functionalities:

1. Allow user to select a Drawing, catalogues it, and stores it in the GIS Enterprise repository. This engine will be integrated with the Client's Web Viewer and Desktop environments.

2. Allow user to search, view, downloads, and prints drawings. This engine will be integrated with the Client's Web Viewer and Desktop environments, and provides engineers with an electronic access to Drawings related to the various facilities and assets in a utility network.

3. Allow an administrator to manage specific aspects of the Drawings database (in order to facilitate the searching process) as well as maintain other aspects related to the behavior of TDMS such as user privileges.

4. A Scheduled service that is capable of Auto cataloguing drawings that are placed into a predefined folder. The service will be capable of associating the drawings with the features.

5. A scheduled service that updates the project boundaries based on the extent of features.

Technologies used:

Technologies used for development are ArcGIS10.2.1 Server, ArcGIS10.2.1 and .Net framework 3.5