

R.L. Clark Water Treatment Plant Voice Communications System Replacement



Client:

Toronto Water, City of Toronto

Location:

Toronto, Ontario

Start Date:

June 2013

Completion Date:

Ongoing

Key Personnel:

Bill Weekes CET RCDD CFOT

Harry Bi RCDD

Bill Vanderlans RCDD

Bruce Smith

Phil Lunansky

Carmen Bevilacqua

Monica Alcolea

Kenji Tan

Project Type: Design-Bid-Build

Project Role: IT/Communications Design Consultant

Description: Fancom was hired by the City of Toronto's Toronto Water Division to carry out a comprehensive site assessment of the R.L. Clark Water Treatment Plant's voice communications systems including telephony, paging, wireless and structured cabling infrastructure. One of the key objectives of this project is to replace the Plant's existing voice communications systems with new leading edge IP technology to support future City of Toronto applications.

Fancom prepared a set of technical reports detailing the findings from the site assessments along with specific technology options to satisfy the City's specific business and technical requirements. These options were presented and reviewed with the Plant and Toronto Water IT representatives to determine the optimized solution for the Plant. This was an iterative process which involved multiple discussions with key stakeholders and revisions to ensure that the proposed solutions included all requirements specified by the Client.

Fancom has since proceeded with the detailed design and specifications for the desired solution. Our team will prepare the construction drawings and specifications to be included in the tender document. Fancom will overlook the installation of the new structured cabling and hardware components for the various systems and ensure that they have been installed according to industry standards. Once the installation is completed, Fancom will perform final commissioning to ensure that all systems are functional.

Systems Designed:

Division 27: Division 27 – Communications

Communications Cabling for Data

Communications Cabling for Voice

Communications Cabling for Paging

Communications Cabling for Wireless

Communications Cabling for IP Surveillance

Communications Cabling for Access Control

Services Provided:

- Project Management
- Site Assessments
- Conceptual Design
- Design Development
- Construction Documents