



## Zama Water Treatment Plant NavIS O&M

### AWARD OF EXCELLENCE

STUDIES, SOFTWARE &  
SPECIAL SERVICES

**FIRM:** ISL Engineering and Land Services Ltd.  
**CLIENT:** Mackenzie County  
**LOCATION:** Zama City, Alta  
**OTHER KEY PLAYERS:** Zousar Shaker, CubeSol.com

The complexity of small- and medium-sized water and wastewater treatment facilities requires a comprehensive plant data management system. To fulfill this need, ISL developed NavIS O&M software, an innovative 3-D interface that displays complete facilities as interactive 3-D models. As users "walk" through the virtual world created by NavIS O&M, they can provide specific data about the facility and its components with a mere click of the mouse, allowing the user to access critical information in seconds. SOPs, record drawings, catalogue cuts, maintenance information, training videos, SCADA screens, and photos of plant components are contained in a comprehensive user-friendly database.

#### JUDGES' COMMENTS:

Welcome to the virtual world. This project takes a very positive step towards simplifying the management of a very complex system that is vital to human health.

It is becoming increasingly more difficult to recruit technical staff and even more of a challenge in remote areas. This operational system allows for remote operational assistance, ease of access to historical data management and preventive maintenance tasks, in addition to being a training tool.