

MCS ROV Pipeline Commander

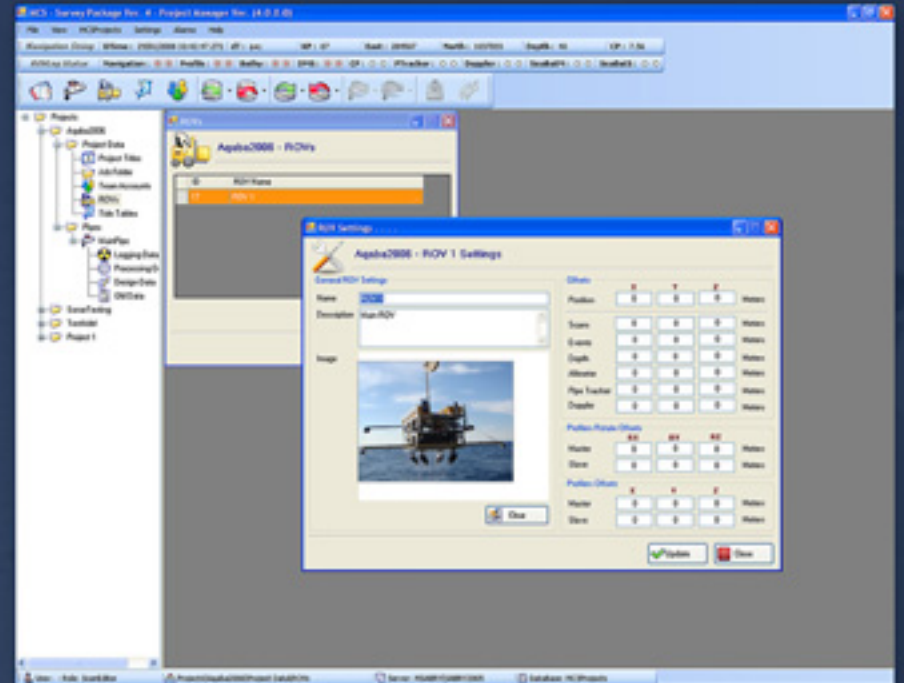
The software package consists of four separate applications which are combined into a multi-user environment.

MCS Project Manager

Project Manager Application manages the whole project database and controls different users' access. It manages more than one project with various pipelines data at the same time.

Features & Benefits

- Automated database management for acquisition and processing phases.
- Old or designed pipe data can be reviewed.
- Supports multiple ROV settings.
- Imports multiple tide tables with different formats for the same project and defines their KP with reference to user customization.
- Supports automated full and selective back up and restore system.
- Remote monitoring and alarm system status.



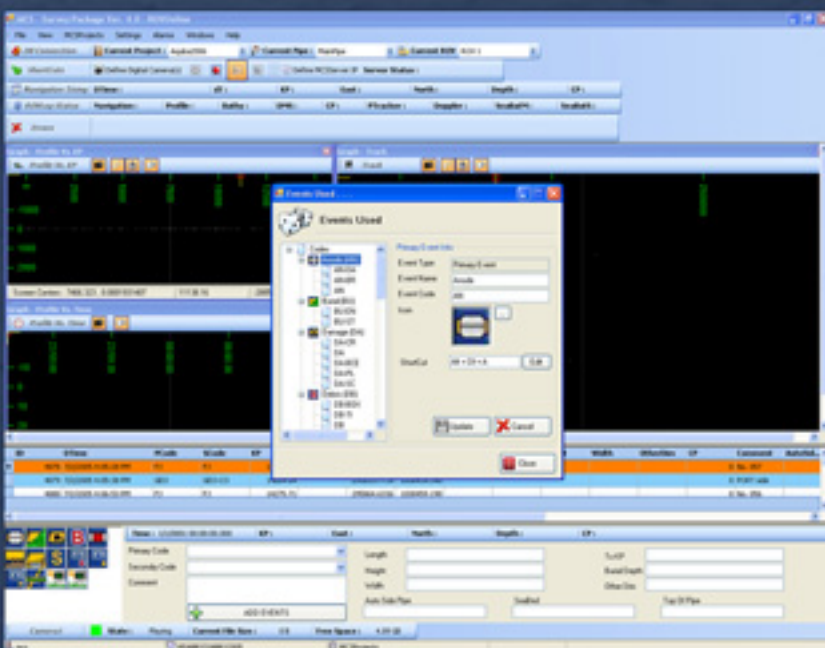
Online Application (Logging, Digital Video and Eventing)

The Logging module records data output/input strings from the ROV sensors (depth sensor, motion sensor, profiler, cathodic protection and altimeter) and stores this data in the database.

Eventing and Digital Video Module consists of three digital video capturing computers connected directly to the ROV Cameras in addition to the Eventing Controller PC which controls the video recording process. The online module continuously displays the Video screens in addition to the real time navigation data. The Eventing Controller PC records events while the video is captured and stores them linked to the Digital Video.

Features & Benefits

- Real time navigation tracking.
- Controlling and monitoring unlimited number of digital cameras in real time.
- Supporting customized event codes.
- Automatic checking for handling common human errors.
- If one camera stops, the application automatically stops all other recording cameras.
- Previous survey data can appear in the background to help eventors.
- Online view of events against time and KP to manage overlap areas between dives.
- Highest available video compression ratio, the balance between size and quality can be customized.
- Auto logging for any actions done on the system.
- More than one ROV can be used on the same pipeline project without affecting the quality of data acquired which gives more precise position of start and end of free span.



MCS ROV Pipeline Commander Viewer

ROV Pipeline Commander Viewer is a user-friendly program by which the client can browse all the inspection data. The Pipeline Commander Viewer can be triggered from the Web GIS Commander to browse all the survey data (Digital Video, Navigation, Scans, Longitudinal Profile, Events). The client deserves more than paper charts and reports. It is about time to deliver the survey outputs in Digital Media and Web GIS Applications for robust data accessibility.

Features & Benefits

- Integration of all ROV inspection data in one window (ex: video, navigation, profilers).
- Processing time and cost savings.
- Standard digital video formats.
- Best video compression ratio with the same picture quality (0.15 GB/hour per camera at 720*576 PAL resolution).
- Easy data handling (Digital Video copying and portability).
- Data storage savings (no need for expensive NAS or SAN).
- Data browsing over network is practical without Bandwidth consumption.
- Enhanced data presentation.
- GIS ready.

