

## BIG DATA SOFTWARE

Big data is everywhere, yet suitable easy-to-use software tools for data analysis have been lacking until now. Introducing **dDesk**, the latest in Primodal's *PrecisionNow* Software Suite. dDesk is an affordable desktop application specifically designed for the analysis and preparation of big data.



Ever tried to use Excel with millions of time series data points? Good luck. Vast amounts of water and wastewater-related data are being collected, and Primodal is committed to providing software solutions that help clients manage, visualise and analyse that data so the benefits of that information can be realised.

Primodal has developed a software platform that is designed specifically for process data assessment, reconciliation, preparation and information extraction.

### **Software Applications:**

- Historical and Real-Time data analysis
- Faulty data identification
- Data quality assessment & elimination of faulty data
- Data preparation and cleaning
- Clean data for stakeholders and decision-makers
- Dashboards for real-time process information
- Process information extraction

**WASTEWATER  
TREATMENT PROCESS  
DATA SPECIALISTS WITH  
OVER 25 YEARS OF  
EXPERIENCE**

PRIMODAL SYSTEMS INC.  
122 LELAND ST  
HAMILTON, ONTARIO  
905-523-8958  
[WWW.PRIMODAL.COM](http://WWW.PRIMODAL.COM)



*PrecisionNow*  
**dDesk 3.1**



## dDESK FEATURES

### Features:

- Ease-of-Use
- Desktop application
- Import data in multiple formats Excel, csv, ...
- Compatible with sparse datasets
- Unlimited data points in any series
- Unaffected by inconsistent time intervals
- Rapid rendering even with millions of data points
- Organize data by project
- Built-in plot functions for rapid visualisation
- Built-in data modules for data analysis
- User-friendly API for custom module development
- Data export
- Report generation

### DataDesk

- Visualisation,
- Consolidation,
- Reconciliation,
- Quality Assessment
- Error Elimination
- Structured Data Analysis
  - Mass Balances
  - Uni-, Multi- Variate
  - Machine Learning

RAW DATA

CLEAN DATA

- Data tab to manage your data
- Dashboard to customize your output
- Drawing board to visualize your data analysis



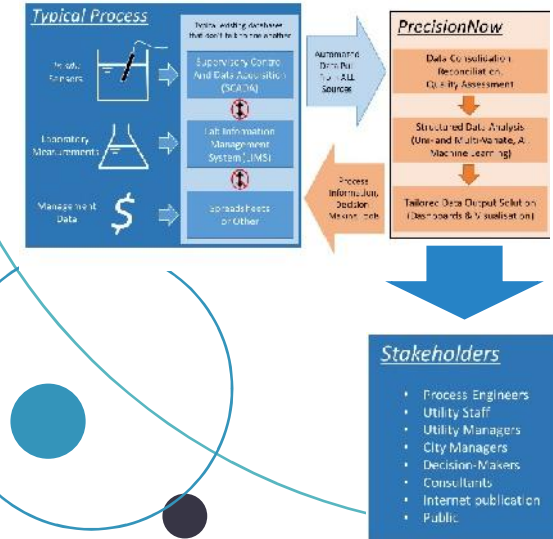
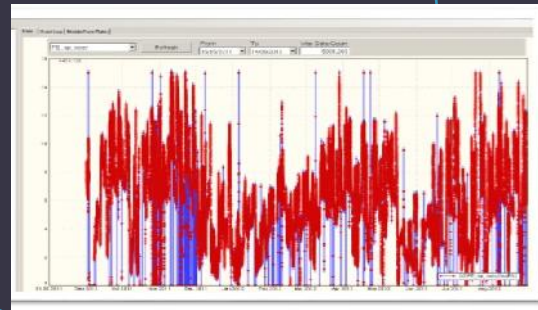
IMPROVED DATA QUALITY,  
MORE INFORMED DECISIONS

## HISTORICAL DATA SOLUTION

### Why dDesk:

dDesk can be used for any number of data preparation tasks including:

- Visualisation
- Data prep for model development
- Trend analysis
- Correlations and daily or seasonal patterns
- Mass balances and mass load determinations
- Averaging over user-defined intervals
- Consolidation of data from multiple sources including high frequency SCADA, LIMS and Excel
- Quality evaluations
- Outlier detection



## REAL-TIME SOLUTION

### Other PrecisionNow Software Options:

- Supervisory software to monitor and analyse process data in real-time
- Automated detection of faulty data which improves operational decisions
- Fault detection and dashboard visualization for ease-of-use
- Open API allows for user-defined & customized solutions

### What is your data telling you?

In addition, to its desktop application, Primodal's software tools can be used to validate data in real-time. These comprehensive tools can be integrated directly with your SCADA system ensuring validation of the data is done as it is being stored.

### ANALYSING YOUR DATA PROPERLY...

...SAVES TIME AND RESOURCES.

This means better, cheaper maintenance scheduling and better, cheaper data.