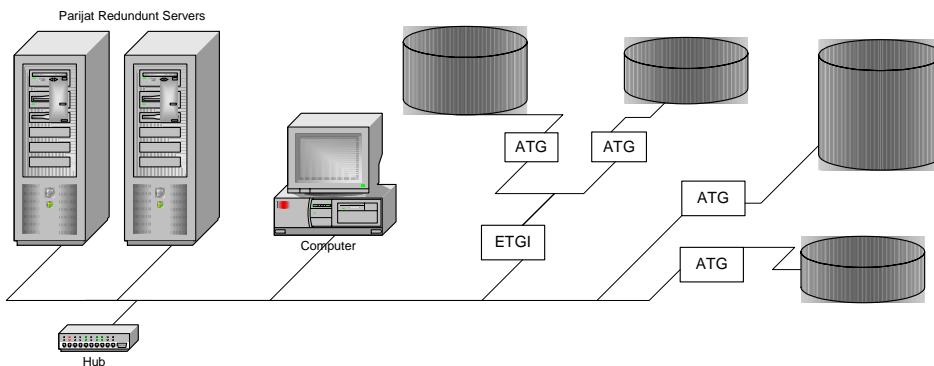


# Training

*Parijat conducts training seminars at our office as well as at the customer's premise. Students perform hands-on exercises with the programmers who designed the software in order to learn how to operate it effectively. These have been regularly conducted by Parijat since 1997. Training sessions last 1 to 4 days. Contact PCI for further details.*



## SOFTWARE PACKAGE DESCRIPTION

Software utilizing Microsoft .NET technologies to provide better service, reliability and scalability to comply with customer needs. It consists of 3 parts for better performance, which are Server application, Client application, and Configuration utility.

### SCADA Server

A .NET service or desktop app running as a server, responsible for communication with field devices, alarming, historical data storage and serving client applications.

### HMI Client

A .NET client application for creating the user display forms, and animations of VB objects (Source Code usually provided). This application can run as multiple instances on multiple PCs.

### Configuration Utility

Allows configuration of tags and communication as well as other application parameters.

**PARIJAT**  
CONTROLWARE INC

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## SPECIFICATIONS

- Unlimited Tags
- Over 100 Comm Protocols
- Modbus Controllers
- Generation Control
- Secure Data Storage and Archiving
- Redundant Servers
- Reporting
- Multiple Client Applications
- Frequency Synchronization
- OPC Support
- Monitors unlimited PLCs

## ADVANTAGES

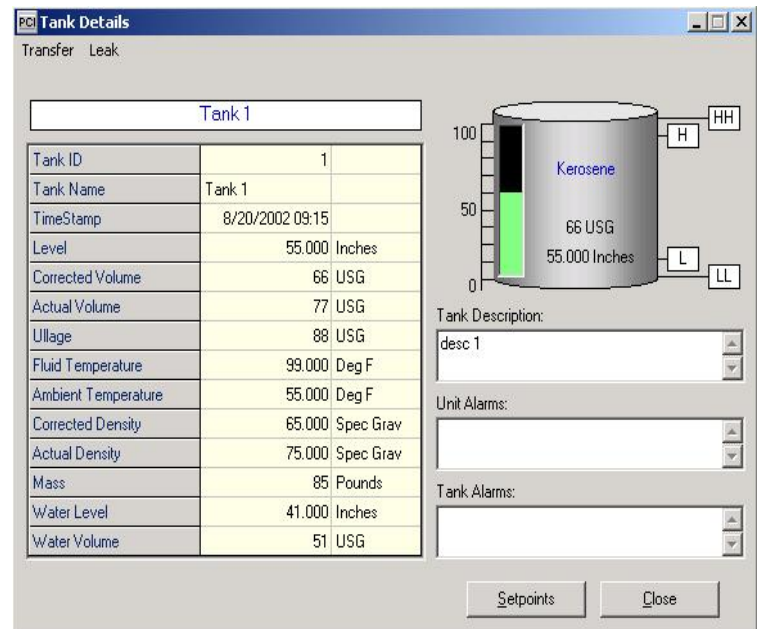
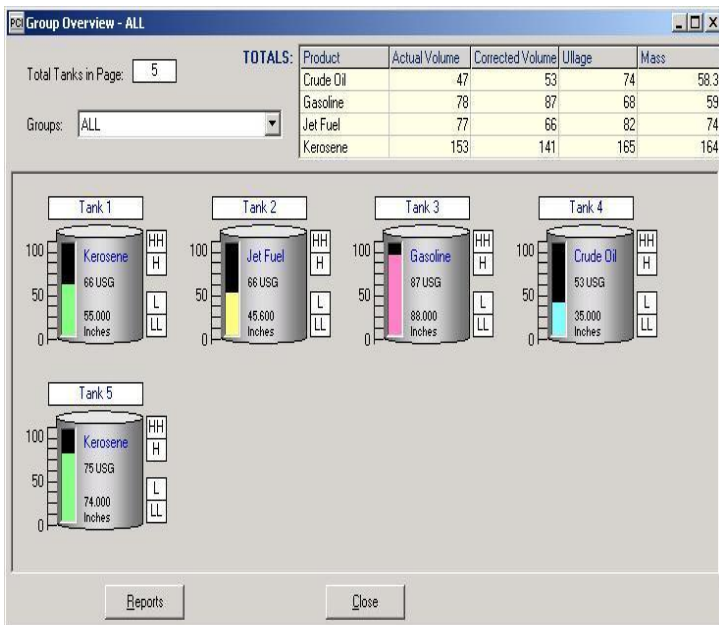
- Support for about 40 industrial communication protocols (more being continuously developed).
- Designed to make use of the fast throughput and exception based processing of VB.NET
- Unlimited points ("Tags" of the conventional HMI world) and displays.
- Powerful animation and various Windows graphical file support.
- Make any changes to points/tags without stopping the polling, data storage.
- Designed for field personnel, who are **not** VB programmers. For HMI screen modifications, no VB code needs to be written.
- Uses Microsoft SQL server (MSDE via ADO.NET) without the overhead of ODBC. Or using ODBC, any ODBC compliant database
- Fully integrated system minimizes the need to deal with multiple vendors.

# I - POWER MONITORING

## Basic features:

1. Supports up to 254 ATG devices per comm. Port. Up to 255 comm ports.
2. User selectable colors for tanks & products.
3. Automatic product inventory reporting
4. Alarm viewer (historical/summary mode).
5. Trending (real time/historic mode).
6. Tank farm overview in both graphical and tabular form.
7. Real time updated detailed information for a selected tank in both graphical and table formats.
8. Transfer status and leak detection real time information.
9. Alarm set point configuration window.
10. Auto scan mode used for automatic scanning all ATG devices.
11. Adding, modifying and removing groups of tanks.
12. Port monitor window, showing status of the serial communication to the ATG devices using Modbus.
13. Uses Microsoft Access as the database.

**May be customized to support other features, integrated with other systems or perform other activities. (Contact factory for details)**



# II - REPORTING

## SCADA System provide reports:

- Daily power generation report
- Daily total power generation
- Daily power schedules for generation
- Monthly CPS report
- Compliant with TX and other regulatory agencies
- Data storage in compliance with TX and other regulatory agencies

