

0 Client:

System #

System Title

P&ID

Info

1 Controller Requirements: (Processor)

Mfg./Model

Memory Size

Communications Ports

I/O Number

- Digital inputs and type
- Digital outputs and type
- Analog inputs
- Analog outputs
- Specialty modules
 - Flow computers
 - Motion control
 - Weigh Scales
 -
- Remote I/O

- Field device communication adaptors and interfaces.
 - Modbus
 - Ethernet
 - DeviceNet
 - AS-I Bus
 - Profibus

()

- () Local control network type
- () Control blocks (PID, cascaded PID, etc.)
- () Special blocks and algorithms.
- () Radio Modem/Wireless _____
- () Intranet/Internet Access/Remote Support _____

2 Redundancy Requirements:

- () None
- () Processor
- () I/O
- () Field Devices
- () Control network and cable
- () Device network and cable.
- () Power supplies.
- () System server
- ()
- ()

3 Human-Machine Interface / Operator workstation:

- () Switches & Lights
 - () Graphic Panel
 - () Operator Terminal
 - () CRT/Workstation/PC
- Features:
- () Alarming
 - () **Alarm messaging** (text-to-speech, phone, fax, email)
 - () Trending
 - () Historization
 - () Statistics (SPC).
 - () Buttons, especify:
 - () Logging method.
 - () Configuration
 - () **Accessibility** (LAN, WAN, Internet, web)

Platform:

- Visual Basic
 - API
 - ActiveX
 - OPC Server.
- HMI Software (WinCC, RSView32, Wonderware, Cimplicity, etc.)
- DCS

4 Peripherals

- Printer
- Others

5 I/O System Design

Action on Power Failure:

- Outputs fail safe
- Outputs hold last position
- Sequence return to start

Energy Suppression Devices Required:

- Inductive DC Outputs
- Inductive AC Outputs

Percent Spare Capacity:

- I/O Modules: _____
- Module expansion space: _____
- Memory size: _____

Simulation

- None
- PC driven simulation
- PLC Emulator
- Switches and Lights
- Software
- Custom Software

Installation

- Prefabricated enclosure
- Field contractor to install
- Integral environment control

6 Software, configuration and development.

- Operating system (Unix, Windows 95/98/NT/2000/XP)



- Communications software
 - Proprietary drivers
 - Data server/Kepware
 - Cross platform requirements (DDE, OPC, Gateways)

- Programming software

- Specialty

- Loop tuning

- Batch.

- Accessibility (LAN, WAN, Internet, web).

- Custom software development (Visual Basic, C++, SQL, web/ASP).

- Databases, Datalog, History, Alarms (MSAccess, SQL Server, Oracle)

- Web Server/Services. Web access

Date:_____

By:_____