



SENSORS, CONTROL, AND NETWORKING:

BANNER ENGINEERING

Photoelectric-Ultrasonic-Laser Sensors, Safety Light Curtains, Opto Touch Buttons, and Machine Vision Systems

TURCK/INTERLINK BT

Inductive and Capacitive Sensors, Custom Cordset Solutions, Process Instruments (Flow, Temperature, Pressure), Bus I/O and Connectivity



EUROTHERM

Temperature Controllers, Power Controls, Process Control Systems

PYROMATION

Thermocouples, RTDs, Instrument and Thermocouple Extension Wire, and Accessories



GE

Full breadth of control system offerings. "PACSystems" RX7i and RX3i. Series 90-70, 90-30. VersaMax PLC and I/O. Micro & Nano PLCs. Distributed I/O. HMI panels

RED LION CONTROLS

Temperature & Process Indicators & Controllers

IDEC

Relays, Push Buttons, Pilot Lights, Stack Lights, IEC Contactors

TOPWORX

GO Proximity Switches and Valve Indication packages

IRCON

Blackbody Calibration Sources, Infrared Thermometers, Thermal Imaging Systems

UNIVERSAL DYNAMICS

BRAINWAVE (IDEA)

Advanced Process Control Software, integrating & non-integrating loop control



MOTION CONTROL:

KOLLMORGEN

DANAHER MOTION GROUP

(Kollmorgen, Pacific Scientific, G&L Motion, Thomson, Micron, Portescap)

Wide range of Motion Control Solutions includes:

- ▶ Servo & Stepper Systems
- ▶ Motion Controllers (Single & Multi-Axis)
- ▶ Direct-Drive Servos, Linear Motors
- ▶ Gearboxes, Rails & bearings, actuators, stages

TURCK/KUBLER

Linear Displacement Sensors and Absolute Encoders



ENCODER PRODUCTS ENCODERS

Rotary Incremental and Absolute Encoders



DANAHER PRECISION SYSTEMS

(NEAT, Dover, IDC)

Linear Actuators, Precision Positioning Systems, Custom Stages, Z-axis Elevators, Air Bearing & Linear Stages. Gantry Systems

GEAR REDUCERS

(Micron, Carson Mfg.)

Planetary, Bevel & Hypoid, metric & NEMA frames



GE

PLC-based motion control, Servo & Stepper Systems



DANFOSS

Variable Frequency Drives

LINTECH

Linear Stages, Rotary Tables, Round Rail & Pillow Blocks, Custom Positioning Systems



DELTA TAU

Very high-performance Multi-Axis Motion Controllers (standalone, VME, PCI, PC/104). CNC

QUICKSILVER CONTROLS

Servo Controllers and Motors. Specializing in High Torque Motors

EUROTHERM/SSD

Industrial Variable Frequency Drives and Drive Systems

RMS TECHNOLOGIES

Integrated step motor. Controllers, drives

MACHINE SAFETY:

BANNER ENGINEERING

Safety Light Curtains, Interlocks, E-stop Devices, Two-Hand Control Safety Buttons

FORTRESS INTERLOCKS

Robust Trapped-Key Interlocks, Safety Gate Switches & Machine Control Centers



HMI & INDUSTRIAL PC:

ANN ARBOR TECH. / DYNICS

Industrial PC and Touchscreens, Windows CE units, rack- & panel-mount PCs, thin-client solutions

IDEC

Color Touchscreen HMI, Text-based Operator Interface, Push Buttons



GE

Windows CE based: ▶ QuickPanel View
▶ QuickPanel Control
Text-based Operator Interface. Industrial PC

RED LION CONTROLS

Full featured touchscreen HMI featuring data logging, web server, multiple simultaneous protocols, email capability, ethernet, full PC emulation



GE - COMPUTER DYNAMICS

Industrial PC and Touchscreens. Rack-mount PCs. Explosion-proof, sunlight readable, marine, military

STRATUS

Fault-tolerant PC. 99.9995% uptime & better

SOFTWARE – FACTORY TO ENTERPRISE:



AUTO SOL

OPC Communication Servers for the Oil & Gas Industry. Protocols for most RTU's with complete EFM upload.

CATAPULT SOFTWARE (iPower)

SCADA Software for the Electrical Power Industry built on iFIX Control Tagging, Bus Coloring, Portable Ground.

GE (Intellution)

Proficy iFIX HMI/SCADA
Proficy **Historian** (high-performance plant-wide historian)
Proficy **Information Portal** (web-based data visualization, analysis & trending)

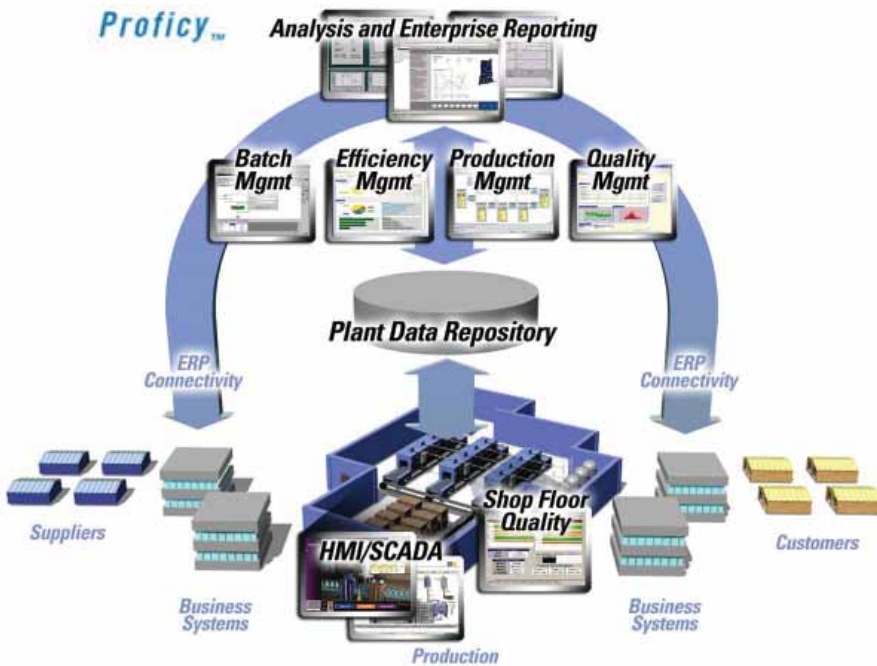
GE

Proficy Cimplicity HMI SCADA
Proficy Plant Applications (MES software):

- ▶ Batch
- ▶ Efficiency
- ▶ Production
- ▶ Quality

Other Proficy modules:

- ▶ SPC
- ▶ Configuration Manager
- ▶ Tracker
- ▶ Asset Management
- ▶ Order Execution



SPECTER INSTRUMENTS

Win 911/411 – Telephone, pager and email message reporting for alarms and system information

SYTECH – XL REPORTER

Excel-based HMI report generator



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