

Charlie Winterfeldt
Project Engineer



Education:

Bachelor of Science - Electrical Engineering
University of Minnesota - Twin Cities

Experience:

Mr. Winterfeldt has over 17 years of experience designing, programming and implementing projects involving: instrumentation, power distribution, machine controls, manufacturing system integration, continuous and batch process material handling, variable speed water pumping systems, industrial HVAC systems, low pressure steam plants, compressed gases plants, high purity liquid chemical distribution systems, stand-by electrical generation, and prototype process machines.

Skill Set:

Omron PLC's	AB PLC's	GE PLC's
Omron HMI	Cimplicity ME HMI	Intellution FIX
GE Cimplicity	Microsoft Office	Machine Design
HVAC System Design	Fluid Piping System Design	
Electrical Power Distribution Design		

Representative Project Experience:

PMX Industries - Machine Safety Pinch-Point Guarding
Cedar Rapids, Iowa

Iowa Electric DAEC - Standby Diesel Generator System Installation
Palo, Iowa

Fisher Controls - Factory HVAC System Replacement (Project Management, ICOM HMI, AB PLC, AB VFD's, Marley Cooling Towers, Carrier Chiller, Rapids Engineering Air Handlers)
Marshalltown, Iowa

Bandag - Plant-wide SCADA System (Project Management, Intellution FIX, IBM Token Ring)
Oxford, North Carolina

Bandag do Brasil - Pneumatic Carbon Black Transfer System Controls (Omron PLC & HMI)
Campinas, Brazil, South America

Bandag - VOC Emission Capture & Capitalization Equipment Controls (Omron PLC & HMI)
Chino, California

BOC Edwards - High Purity Chemical Handling Equipment Controls (AB PLC, CTC HMI)
Tinan, Taiwan

HTI - Plating Line Controls Replacement (GE PLC's)
Hutchinson, Minnesota