

Joe Slaughter Joe@layer1holdings.com 701-610-3058

I train Control Panels for manufacturers.

Sales Engineer in Industrial Automation, Distributor

Control Panel Design, Retrofit, Industrial Automation and Risk Review

Bachelor of Science in Chemical Engineering, University of North Dakota

Current Employment

Entherm	Senior Controls/Sales Engineer	December 2019, Current
Watlow PLC Distributor	Electrical Heat for Manufacturing (Control Panels)	

Control Panel Designer, Autocad Electrical Single Line diagrams PLC Programming, Ladder Logic, Human Machine Interfaces (HMI), Developing State Machines, Functional Tests

Layer 1 Holdings LLC	DefineTheBox.com Database for Automation	Founded 2017, Current
Joe@Layer1Holdings.com	documentation of Living Documents SOPs and FMEA	

Programming Programmable Logic Controllers: Watlow, IMOAutomation, Eurotherm, Set User Requirements, Partner with Distributors with software Licenses to program Emerson DeltaV, Allen Bradley/Rockwell

Examples: DefineTheBox.com Layer1Holdings.com/PLC DefineTheBox.com/Risk Layer1Holdings.com/PIDs Layer1Holdings.com/CFO

Former Employment

Cantel now Steris	2 years
Medical Device IQ/OQ/PQ Functional Test Documentation of 225 Hollow Fiber Spin, Piping/Process and Instrumentation Diagrams	

Cargill	Project Development Group	6 years
Functional Test and Process Narrative Architect using DeltaV (Lime Water Treatment, RO, Demineralizers, Boilers)		
User Required Specifications: Process P&IDs, Instrument Use (Biodiesel, Edible Oil, Corn Milling, Utilities)		
Failure Mode Effect Analysis; Device, User, Process and Business (Process Development Group)		
Permissive, Interlock, Alarm Rationalization, Safety Devices, Controls Design and Functional Test		
Standard Operating Procedure Development		
6Million Month End Accounting and Allocation of Fuel and Electrical of Plant Departments (P&L Development)		
0.5 M Coal Use Reduction and Savings		
HACCP Hazard Analysis Critical Control Point for Food and Beverage Manufacturing Safety		
Capital Projects and Change Order Management		

Unit Operation Experience

High pressure steam boilers, Burner Management Systems (BMS), Electric Heating Applications, steam turbines and electric generation, Cooling Towers, Lime Cone Water Treatment, reverse osmosis, Water Deionizers, gravity separators, plug flow reactors, continuous stirred tank reactors, resin bed separation, distillation columns, screen separators, cyclones, steam tube dryers, heat exchangers, condensers, Plastic Injection Molds, Extruders, Semiconductors