



**Paul D. Metzger** Site Performance Leader, Plant Performance Services

Paul.Metzger@Experittec.com    www.experittec.com

### Performance Services

Paul has over 30 years of experience as a Process and Instrumentation Engineer. His capabilities include process optimization, instrumentation, analytical process analyzers, standards development and capital project execution. The types of work Paul has performed include capital projects planning and implementation, startup and commissioning, process optimization, plant upgrades, R&D, instrument application, maintenance and troubleshooting, training, and quality control.

#### *Experittec Highlights*

Dyno Nobel - Implemented DeltaV 10.3 upgrade along with a 40-point Emerson wireless network. Standards member for IEEE 802.15.4 Wireless Instrumentation (ISA SP-100 Group).

Quaker Oats - Developed a NIR moisture analyzer solution which allowed process automation of raw materials hydration control for rice cake production.

BASF Corporation - Process analyzer evaluation and testing for Ethylene Dichloride; training development and implementation.

#### *Other Experience*

Worked 29 years with Anheuser-Busch ending as a Senior Process Engineer. Developed and managed corporate and brewery standards for process instrumentation application, installation, calibration and design.

Designed and implemented process optimization project in three Malt production facilities reducing the manufacturing costs and variability of final product. Designed a method to measure and control Malt curing reaction during its critical kilning phase of conversion.

Designed a system utilizing mass flow meters for 12 can production facilities that optimized paint usage. Mass meters installation on 78 spray heads. The mass flow density and temperature feedback allowed tighter density mix tolerances. In addition, the mass flow indicated a poor performing spray head.

#### *Technical Experience*

- ISA Certified Control System Technician (Level III CCST)
- AMS Certified
- SME for Level, Temperature, Pressure and Flow Process Instrumentation
- SME for Analytical Process Instrumentation
- IEEE 802.15.4 Wireless Instrumentation (ISA SP-100 Group)

#### *Professional Affiliations*

ISA, Master Brewers

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