

High Performance Graphics Philosophy & Style Guide

Crafting Your Custom HMI Philosophy with ISA 101.01 Expertise
Crafting Your Custom DeltaV Style Guide with Emerson DeltaV Live Expertise



The Puffer High-Performance Graphics Philosophy & Style Guide Standards

DeltaV Live is the new HMI for the DeltaV control system: DeltaV Live was built with Human Centered Design principles from the beginning, incorporating industry best practices and industry standards, such as built-in display hierarchies and hierarchical navigation.

The Philosophy and Style Guide documents serve as foundational standards to ensure consistency, efficiency, and clarity throughout the lifecycle of operator graphics. Every stage of the HMI lifecycle—Design, Implementation, Operations, MOC, Audits, and Validation—is covered in detail. These comprehensive documents ensure that high-performance graphics in your plants are not only aesthetically functional but also aligned with the mission-critical demands of safety, efficiency, and compliance.

KEY BENEFITS

Establish Core Principles

- Define the overarching goals of the HMI, such as improving operator effectiveness, enhancing safety, and reducing cognitive load.
- Advocate for the use of high-performance graphical elements that emphasize functionality over aesthetic complexity.

Ensure Consistency

- Provide guidelines and toolkits that standardize HMI design across units and facilities, speeding design and implementation and reducing the risk of operator errors.

Regulatory Compliance

- Reference industry standards like *ISA-101* and incorporate best practices from guidelines such as the *Abnormal Situation Management (ASM) Consortium* and *The High Performance HMI Handbook*.

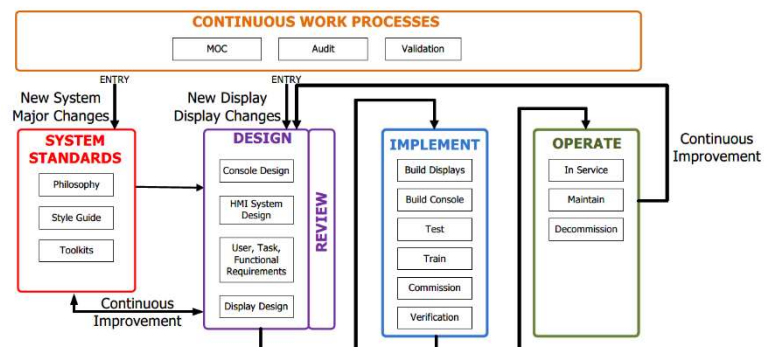
Select Topics

Graphics Philosophy

- This site or enterprise-wide document establishes the philosophical foundation for the HMI design and lifecycle considerations.
- Document development begins with a one-day workshop designed to review and understand current HMI industry standards and best practices. During this session, participants work collaboratively to reach a consensus on how these practices will be implemented at your facility, taking into account existing paradigms and practices.

Graphic Style Guide

- This document details how the design requirements of the HMI Philosophy will be implemented specifically on a DeltaV Live system.
- This is a workshop session where decisions on Colors, Typography and Text, Symbols and Icons, Layout and Navigation, Dynamic Elements, and Alarm Representation will be implemented with specific examples and templates included in the final document.



Call Puffer-Sweiven at 281-240-2000 for more information today!

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TRANSFORM your industrial systems with tailored HMI Philosophy and Style Guide Standards built on the proven principles of ISA 101.01. Our team specializes in designing operator-centric interfaces that prioritize clarity, consistency, and critical decision-making support. **COLLABORATE** to develop a bespoke strategy that enhances situational awareness, improves safety, and drives efficiency across your operations.



High Performance Graphics Solutions

The Puffer program is a structured, proactive approach tailored for greenfield projects to design optimized, high-performance graphics systems for demanding visual environments. It focuses on creating efficient, user-centered interfaces, minimizing unnecessary visual noise, and ensuring that only the most critical information is prominently displayed. Our program incorporates a comprehensive design process that emphasizes rationalized graphics, systematic prioritization, and continuous refinement to enhance visual clarity and decision-making. By proactively crafting robust graphical systems from the outset, the program aims to set high standards for usability, visual quality, and operational efficiency, fully aligned with industry standards and best practices for graphic design.

Graphics Design Packages	CORE	BEST PRACTICE
Graphics Philosophy & Style Guide	■	■
High Performance Graphics Workshop (Goal & Task Analysis & Graphic Design)	■	■
Build, Test, Train & Commission		■

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