Afritic Open Water and Farming Standard (AOWFS)

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1. Foundations

- Core Principles & Design Philosophy
- Terminology & Definitions

2. System Architecture

- System Architecture Overview
  - Field Controller Layer
  - Farm Controller Layer (Local / Federated)
  - HQ / Federated Controller Layer

3. Infrastructure & Control Interfaces

- Hydraulic & Water Systems
- Electrical & Power Control Interfaces
- Valves, Pumps & Actuation

4. Measurement, Monitoring & Documentation

- Sensors & Environmental Monitoring
- Optical Monitoring (Cameras)
- Data Models & Documentation Standards

5. Operation & Safety

- Operational Logic & Decision Hierarchy
- Safety, Fail-Safe & Bypass Mechanisms

6. Reference & Compliance

- Reference Implementations
- Certification, Compliance & Auditing

7. Training & Professional Certification

- Training Programs
- Professional Certification Levels

8. Supporting Material

- Glossary
- Change Log & Versioning

Concepts

hardware

software

AOFS Market & Competitive Landscape

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