Afritic Open Water and Farming Standard (AOWFS)

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](#)

From:
http://wiki.irrigation.afriticgroup.com/ - **Afritic Open Farming Standard**

Permanent link:
http://wiki.irrigation.afriticgroup.com/doku.php?id=sidebar&rev=1769028362

Last update: **2026/01/21 20:46**