3. Data Warehouse (Long-Term Plan) 🔗

Owners: All

Data Segmentation & Integration 🔗

- **MES Database Usage:**
  - Strictly for **controls and production data collection**.
  - Data mining and analysis will be performed in a separate **data lake**.
- **Proposal:** April suggested using **Snowflake** (or a similar platform) to:
  - Integrate **Figure data silos** (manufacturing, business, controls, etc.).
  - Enable **centralized analytics and visualization** across supply chain, manufacturing, field deployment, and service.

Unified Namespace & MQTT Integration 🔗

- **Action:**
  - MES and other systems should **share data** via **MQTT and a Unified Namespace**.
  - April will provide Ivan with necessary queries for further discussion.
- **Priority:** Not required for **Day 1**, but essential for long-term scalability.

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4. Next Steps & Action Items 🔗

- **April:** Configure field devices, implement LDAP for MES, set up role-based access control, and establish a Git repository.
- **Matt:** Configure VLAN segmentation, enforce OT security best practices, and oversee network configurations.
- **Jared & Damien:** Configure MES servers, establish CI/CD pipelines, and maintain server environments.
- **Logan:** Hire an OT/IT specialist and revisit on-prem solutions in May.
- **Ivan:** Collaborate with April on queries for data lake integration.
- **April:** Need to get help for asset management.