

Fitting Together ESG, EMIS and Your DAHS



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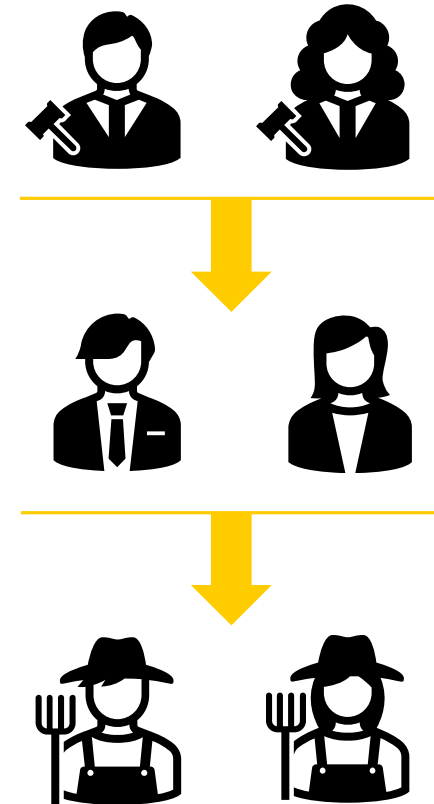
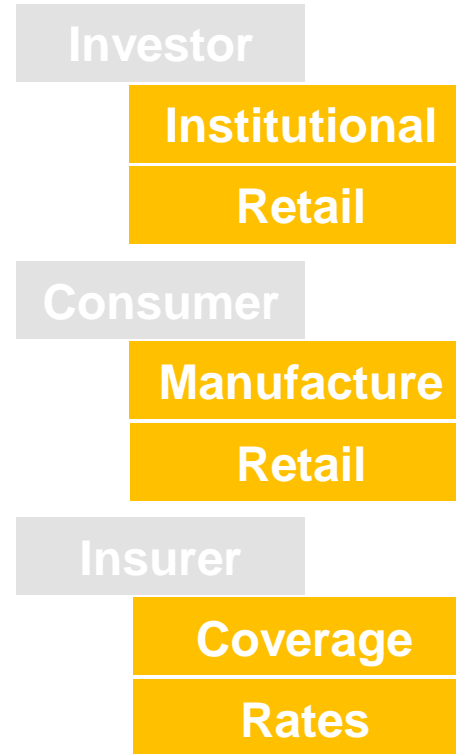


Agenda

- Environmental, Social, Governance (ESG)
- Environmental Management Information Systems (EMIS)
- Data Acquisition and Handling Systems (DAHS)
- How do these pieces fit together in an ESG solution?

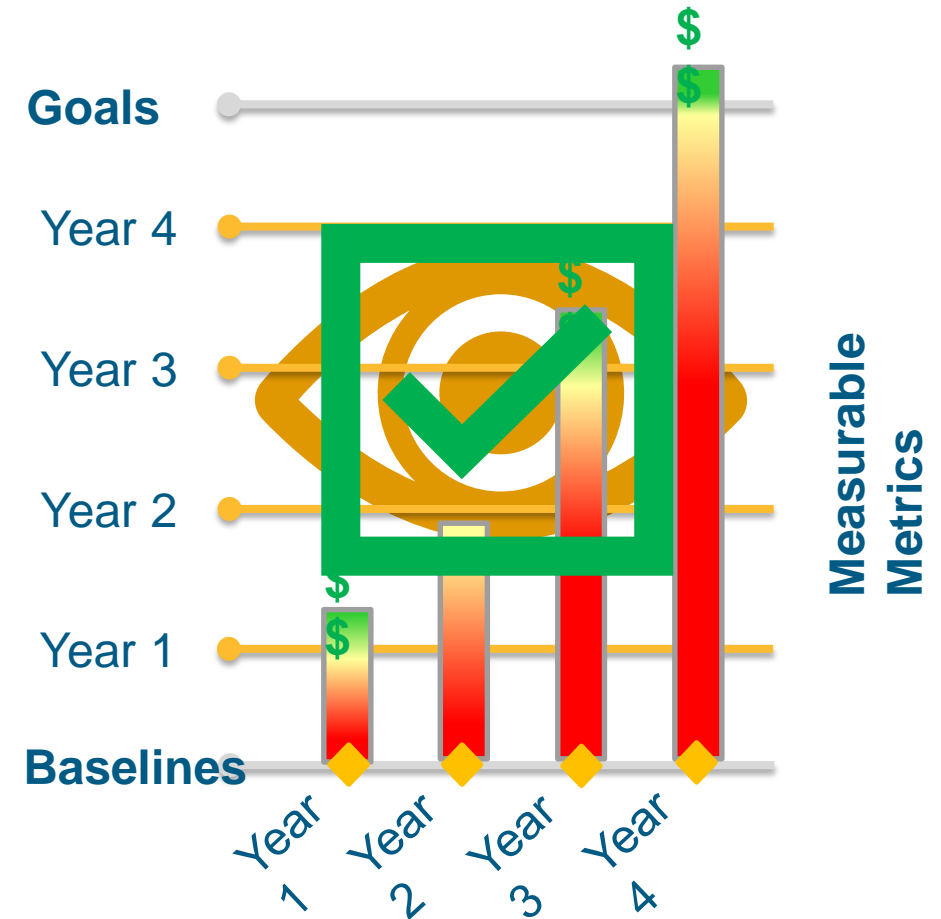


Overview

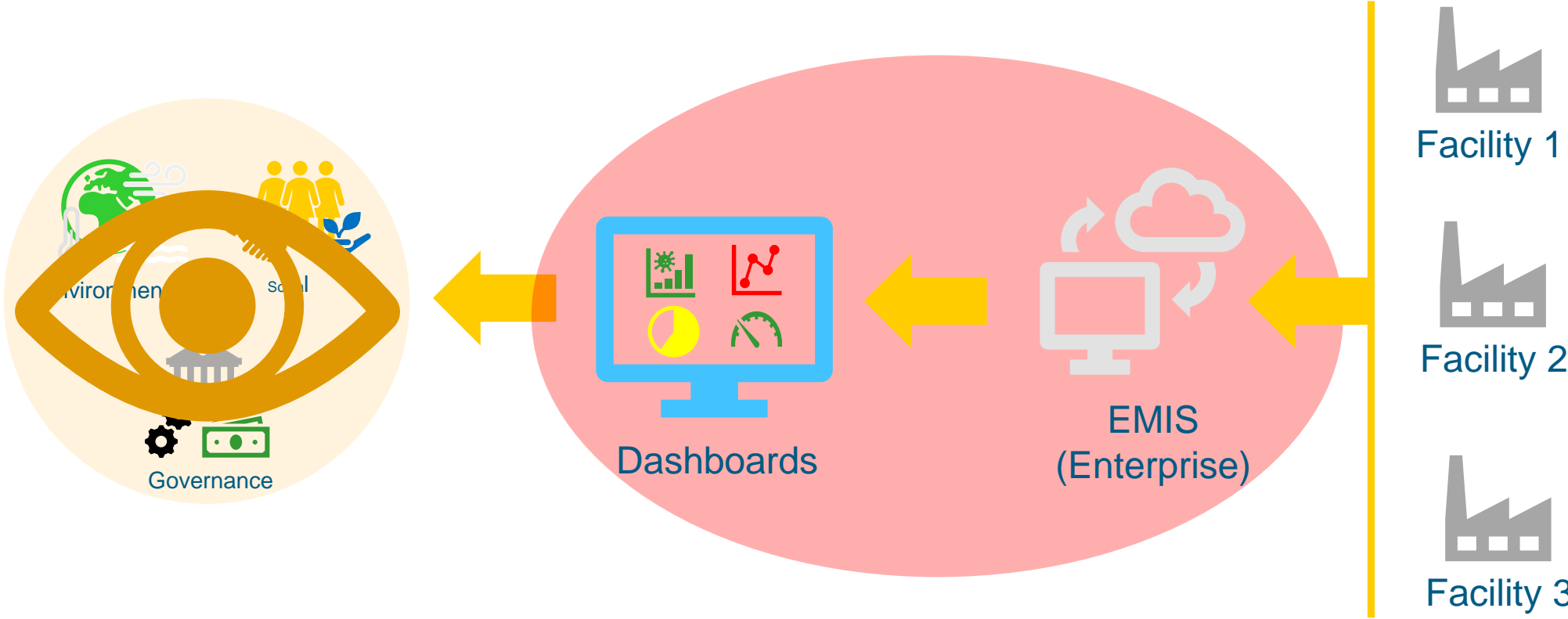


Environmental, Social, Governance (ESG)

- ESG Initiatives
 - Baselines
 - Goals
 - Measurable Metrics
 - Incentivizes Progress
- ESG Expectations
 - Capital Investment
 - Insurance Liability
 - Transparent
 - Auditable

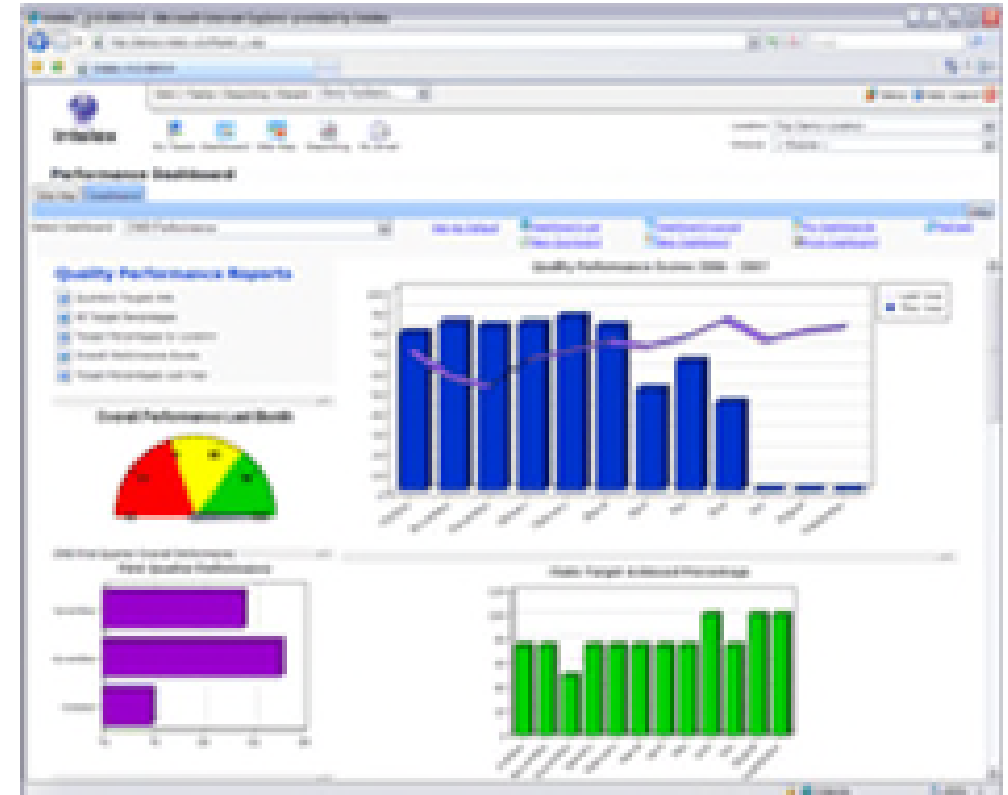


Environmental Management Information Systems (EMIS)



EMIS Air Module Overview

- What is the objective of an EMIS?
- Who is involved in an EMIS implementation?
- What types of data are required for air calculation module EMIS?



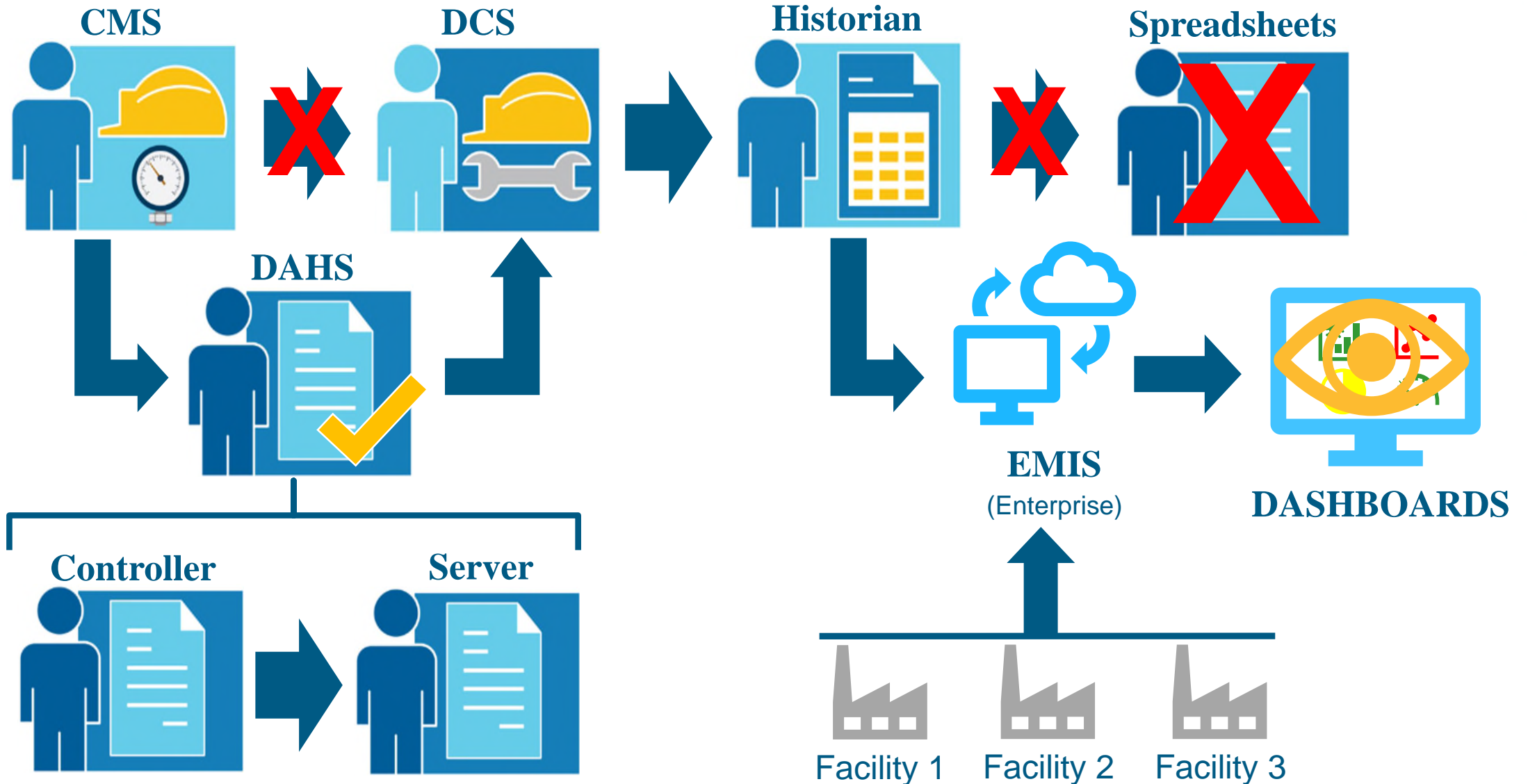


EMIS Air Module Challenges

- Identifying “single source” of truth
- Data Quality/Completeness
- Reconciliation
- Volume of Data
- Lack of Common Nomenclature
- Developing and Applying Business Rules



Pieces of the ESG Data Flow Puzzle



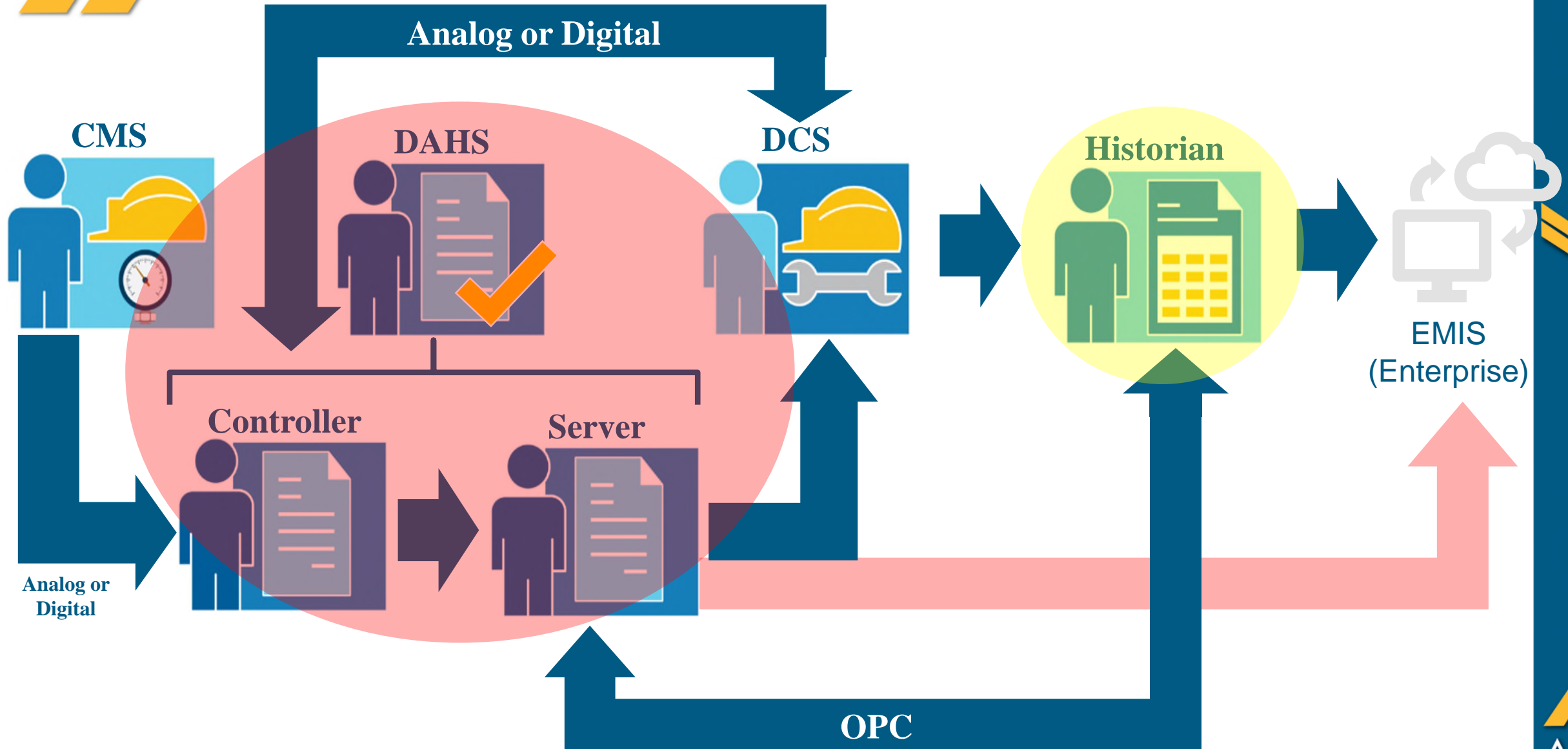


A DAHS' Role in an EMIS Solution

- “Preprocess” EMIS Data Inputs
 - Quality-Assurance/Quality-Control
 - Reconcilable
 - Good/Bad
 - Data Substitution
 - Aggregation of Data
 - Longer Term Averages
- Transfer Mechanisms
 - Historian
 - Export/Import
 - Application Programming Interface (API)
- Transparent and Auditable



Data Acquisition and Handling System (DAHS)



STRATEGY WITH SOLUTION.

PARTNERSHIP WITH A PURPOSE.



Takeaways

- ESG initiatives requires establishing measurable goals in which progress can be accessed by a transparent, auditable solution.
- EMIS solutions can be implemented as means to track progress via dashboards on an enterprise level against ESG initiatives.
- EMIS solutions have limitations requiring the prepossessing of data to develop complete, reconcilable, quality-assured data averages.
- DAHS can be leveraged, beyond the traditional CMS applications, to complete prepossessing data activities prior to use in EMIS.
- EMIS solutions are typically initiated as “corporate-level” initiatives, however “facility-level” personnel may be tasked with providing accurate data.

Questions?



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