

# Engineering Services DAS Evolution

Over time, your Data Acquisition System (DAS) changes. The DAS Evolution process ensures that your system is still in sync with your current needs. DAS Evolution is a discovery, implementation and documentation Engineering Services project. It is a two-day engagement that begins with a half-day review with your staff of your DAS and daily processes. Together, you create a prioritized list of improvements and fixes. The engineer will then work through as many items as possible with you during the engagement and provide a follow-up list of any remaining items.

## DAS Evolution can help solve the following challenges:

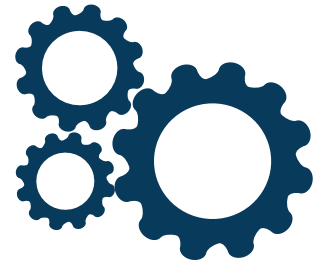
- Reliance on manual creation or editing reports outside of StackVision™
- Difficulty demonstrating compliance
- Excessive nuisance alarms
- Inefficiencies



## The DAS Evolution Process

The DAS Evolution process ensures that your system is still in sync with your current needs. The Engineering team performs discovery, implementation and documentation of a prioritized list of improvements and fixes to your DAS.

- **Discover** – Review daily processes to identify areas to optimize software functionality.
- **Implement** – Work with staff to implement as many changes as time allows.
- **Document** – Outline the changes made and recommendations for future improvements.



You will work with us to create a prioritized list of improvements and fixes. An Engineer addresses as many items on this list as possible during the time period, and provides a follow-up list of remaining items.

Questions about DAS Evolution? Contact Sales at [sales@envirosys.com](mailto:sales@envirosys.com) or 512-250-7902

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# Engineering Services

## DAS Evolution

### Examples of areas reviewed as part of DAS Evolution might include:

#### *Review of actions performed outside of the DAS*

- Are you exposting data and creating reports manually? Why?
- Are you using outside programs to analyze data? (Excel graphs, PI, Access, etc.)
- Are any hand edits being made to reports and why?

#### *Review of data Quality Assurance (QA) processes:*

- Is the DAS automatically marking Start-Up and Shut-Down periods?
- Is the DAS configured to correctly apply Reason and Action Codes?
- Is the DAS set up to print and/or email daily reports and do they include what the person receiving them needs?
- Are custom views set up to quickly display exactly the data needed?

#### *Review Reports:*

- Do you have a report menu structure that includes each compliance report with preselected sites, parameters, and intervals?
- Are your reports configured so you can just set the dates and go?
- Is your new report functionality, such as Cal Graph, Average Data Query, Matric incorporated?

#### *Review Alarms:*

- Are your alarms still accurate following configuration changes?
- Do you have nuisance alarms that interfere with knowing when to act?

#### *Review any additional data-collecting equipment:*

- Generators, auxiliary equipment that is collecting data
- Should you bring in sources that are use in emissions inventories, etc.?

#### *Review new configuration tools that may solve issues:*

- Delay on alarm for digital bits
- Out-of-control (OOC) clocks and how to best use them
- XScript in Condition Manager - to address non-standard issues

#### *8864 Consolidation:*

- Combing of older controllers (i.e. CEMS logger vs. HG logger)

#### *Review additional communications we provide:*

- Accepting data from Modbus, PI/POC
- Implementing Parallel Modbus

The list you create with your assigned engineer will be unique to your facility. These are just a few sample possibilities that we know can benefit from review. The DAS Evolution project can take place on-site or remotely and is generally scheduled for two days.

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