IRmadillo™

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Timeline for commissioning

Up to 3 months

Kick-off

We will:
- Set up a fileshare with the documents you'll need to set up and use your IRmadillo
- Discuss the overall plan and timelines for your IRmadillo delivery, installation and commissioning

You will:
- Introduce us to your project manager, lab manager, and mechanical and IT integrators

Installation planning

We will:
- Talk with your mechanical integrators about what's needed to install your IRmadillo

You will:
- Make sure you're happy with your chosen integration options
- Plan for the IRmadillo's installation

Calibration planning

We will:
- Explain the IRmadillo's calibration process to your lab manager and the operators who will be sampling for the IRmadillo's calibration
- Carry out an R&R study on your reference methods

You will:
- Help us to understand the performance and limitations of your reference method
- Take samples for the R&R study
- Plan for the IRmadillo's sample collection - including changes to your reference method if needed

2-3 weeks

IRmadillo delivery and installation

We will:
- Build and send your IRmadillo(s)!

You will:
- Install your IRmadillo into your process pipework
- Provide a supply of clean, dry purge air, power, and an ethernet connection

0-4 weeks

Commissioning

We will:
- Check in on your IRmadillo to make sure it is running with no issues
- Help plan the DCS visualisation and alarms

You will:
- Read and monitor the system diagnostics over your DCS
- Provide Keit with remote access, if possible (VPN or TeamViewer)

Calibration

We will:
- Build and test a set of models allowing the IRmadillo to predict concentrations of the species of interest
- Demonstrate your models' performance
- Upload the models to your IRmadillo

You will:
- Provide us with reference data

Using your IRmadillo

We will:
- Rebuild your models if their predictions begin to drift, capturing the process variation
- Be on hand - remote or onsite - to advise and answer any questions

You will:
- Validate your IRmadillo's performance
- Read the IRmadillo's measurements over DCS and display them to your operators
- Set alarms for process deviations
- Use your IRmadillo to improve your process!

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