



BRISBANE TECHNICAL PRESENTATION

DATE & TIME

Tuesday 23 November 2021

VENUE

The Stair Stadium @ The Precinct
Level 2/315 Brunswick St,
Fortitude Valley 4006

TICKETS

Free for IICA Members

\$25 for Non-Members

AGENDA:

5.45pm Arrivals and registration

6.00pm Networking drinks and pizza

6.30pm Presentation by Emerson

7.15pm Break

7.30pm Presentation by Greenfern Dynamics

8.30pm Evening concludes

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- **Emerson: “Managing the Data Explosion to effectively enhance your Operations”**

Facilities are rapidly adopting new technologies and embracing digitalization to enhance operations. In fact, Cisco estimates that by the end of 2021, in excess of 50 billion devices will be connected to the internet. Analytics solutions are deployed to optimize energy usage, increase asset performance, and reduce maintenance costs which are obviously all very relevant within Industrial facilities. The result of these new technologies, devices, and solutions is an explosion of operational data. What are the challenges associated with the moving of OT data at scale into platforms that extract value from the data and how can we address those challenges now and into the future?

- **Greenfern Dynamics: “Three week ROI by taming 20,000 Control Loops”**

As the Upstream Field for one of three new LNG production facilities built in Gladstone Queensland, Origin Energy installed and commissioned a network of over 2,000 Coal Seam Gas (CSG) wells, along with 10 Gas Compression and Water Treatment Facilities. The entire network comprises over 20,000 control loops. The transition from a capital project to operational facility highlighted a commonly encountered project delivery gap associated with control loop tuning falling to operations control teams who are stretched across a wide range of operational facility support needs.

This session will describe how Origin and Greenfern:

- Used PSI ControlWizard, supported by virtual infrastructure, to deploy a large CLPM system covering all remote sites;
- Included key steps of detailed loop assessment configuration and performance report grooming, using a structured tuning work-flow process, and training on practical process control techniques; and
- Quickly identified loop tuning issues contributing to equipment failures and poor well production rates that, once rectified, delivered cost savings of many millions of dollars.



PRESENTERS

- **Steffen Terreblanche – Digital Transformation lead, Queensland and PNG, Emerson**



Steffen has 20+ years' experience in Instrumentation, working across many industries.

Over the past 5 years Steffen has been heading up Emerson's Operational Certainty program assisting customers along their digital transformation journeys.

- **Ian Johnston – Consultant, Greenfern Dynamics**



Ian Johnston is a Consultant with Greenfern Dynamics (previously known as Apex Optimisation), a provider of process control engineering services with a strength in Advanced Process Control. Greenfern Dynamics offers technology ambidextrous services to deliver solutions that sustain optimum process performance for the end-user.

Ian is a certified professional engineer in Australia, and holds a BEng (Electrical) from the University of NSW (Australian Defence Force Academy campus).