Liberate Industrial Data And Scale Digital Value

DLF_ DATA LIBERATION FRONT

Ignition! by inductive automation

canary

FLOW SOFTWARE

sepasoft

Stratus

Cirrus Link SOLUTIONS

ELEMENT 8

QUARTERLY UPDATE: FRIDAY 23 FEBRUARY 2024

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Team Lead
Element8

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Watercare Innovations

Gary Lowenstein
Customer Success Lead
Element8

Laura Strydom
Customer SuccessTeam
Element8

SERVE

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Humbly serve. Our community and the industry.

Learn from others. And share what we've learnt.

Provide intuitive solutions that scale.

Help ensure a data-driven and flourishing future for all.

PURPOSE

FRI
23 FEB
2024

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01 COMMUNITY NEWS

02 PRODUCT UPDATES

03 WATERCARE INNOVATIONS

04 Q & A

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WELCOME!

Axxela

BANDINI group

GLENCORE

Just MILK

KAMOA COPPER S.A.

mentis AFRICA

PEPPADEW® BRAND

STELCO STATE ELECTRIC COMPANY LIMITED

SUNACE

takealot.com

tharisa

TOYOTA BOSHOKU

UMK UNITED MANGANESE OF KALAHARI

Unilever

VIVO ENERGY

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NEW PARTNER CERTIFICATIONS

Ignition Certified Integrator

4B AUTOMATION

CONCERA

Systeco AUTOMATION

Controltech Cape (Pty) Ltd

PROCESS DYNAMICS INDUSTRIAL TECHNOLOGY

STARO INTEGRATION

Ignition Gold Certified Integrator

ZUTARI IMPACT. ENGINEERED.

PERFEDE

KALTRON ELECTRICAL ENGINEERING

Lodicon

canary Certified Integrator

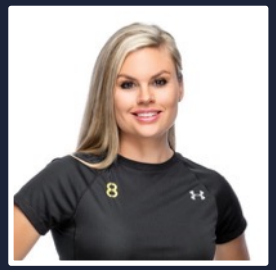
4B AUTOMATION

CONCERA

FLOW SOFTWARE Certified

PCS Global ZIMBABWE (Pvt) Ltd

Partner Page



Clarise Rautenbach
Channel Partner Lead
Element8

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10 Top-Selling Integrators

January-December 2023

1. advansys
2. integ System Integrators
3. NEXT integration
4. Afrilek
5. CSI CONTROL SYSTEMS INTEGRATION
6. CSS Control Software Solutions
7. devcotech electrical engineering
8. DARNER ENGINEERING
9. VisiPraxis Consultation | Engineering | Implementation
10. iritron

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UPCOMING TRAINING

Ignition Core	04-08 March	Virtual
Canary	11-12 March	Virtual
Ignition Perspective	13-15 March	Virtual
Flow Core	18-20 March	Johannesburg
Flow Advanced	25-26 March	Johannesburg

Register here

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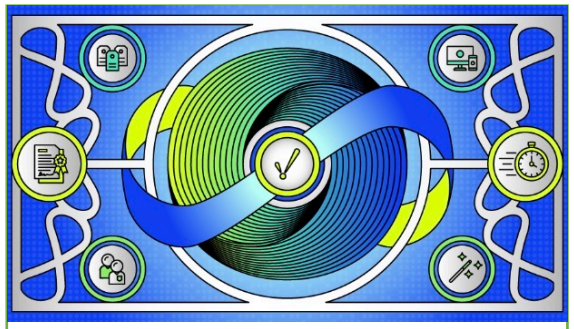
HELPFUL RESOURCES: WHAT WE'RE WATCHING



Empower Innovation With Unlimited Licensing

How to Ease the pain points of conventional licensing models

Inductive Automation

Start Tracking Downtime in Less than 30 Minutes

Track downtime, classify events, and perform analytics around your downtime

Flow Software

Manufacturing Production Report

50 Production KPIs and Events in 30 Minutes

Flow Software

2024 Discover Gallery

A centerpiece at the annual Ignition Community Conference (ICC), the Discover Gallery is a video showcase of the top Ignition projects from around the globe. No project is too big or too small to be considered! If you have done an exceptional Ignition project that you'd like the rest of the world to see, click the link below to get your submission started.

Submission deadline is April 30, so submit your projects soon!

Enter Here

If Your Project Is Selected

You'll get one free Ignition Community Conference ticket so you can show off and share your project with the community.

Your project will be displayed at the conference and on our website during and after the event.

You will be eligible to win a prestigious Firebrand Award in person at the Ignition Community Conference.

Distributor
Now Supporting
Angola, Botswana, Comoros, Democratic Republic of Congo, Kingdom of Eswatini (Swaziland), Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Tanzania and Zimbabwe
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Inductive Automation
Ignition Distributors

IGNITION

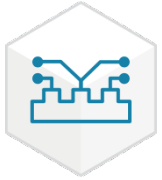
THE UNLIMITED PLATFORM FOR SCADA AND SO MUCH MORE

snowflake

Ignition by inductive automation

CIRRUS LINK & SNOWFLAKE

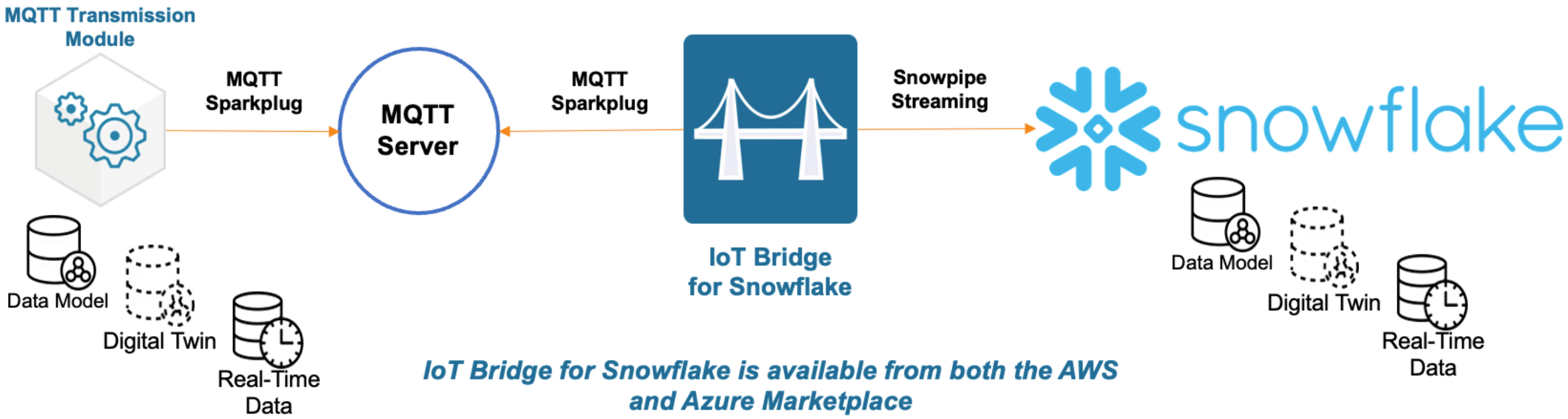
IoT Bridge for Snowflake



+ Snowflake is a fully managed **Cloud Data Platform**
+ **Out-of-the-box** features:
  + Separation of **storage and compute**
  + On-the-fly **scalable compute**
  + Data **sharing & cloning**
  + **Third-party tools** support

snowflake

CIRRUS LINK & SNOWFLAKE



IoT Bridge for Snowflake is available from both the AWS and Azure Marketplace

Ignition® 8.3

by inductive automation

WHAT'S COMING IN 8.3

SCHEDULED FOR LATE 2024

+ Expanded **Enterprise Deployment Management**
+ New **Time Series Historian** module
+ What are **Event Streams?**
+ NEW FEATURES:
    + **Native Drawing Tools** for Perspective
    + Refreshed **Gateway UI**
+ And, of course, **upgraded Security**

The New Ignition Edge

All the features of the Ignition Edge product line have been packed into two powerful products: Ignition Edge IIoT and Ignition Edge Panel.

A Stronger and Simpler Ignition Edge (8.1.36)

Recently streamlined as a two-product line.

1. Ignition Edge IIoT

- MQTT-enabled, Unlimited tags and devices for included drivers
- Edge Sync Services, Edge EAM & Edge Compute functionality are all included

2. Ignition Edge Panel

- Unlimited tags and device connections, and everything else in Edge IIoT, plus local visualization and control at the edge through either a Perspective session or Vision client

Edge IIoT and Edge Panel also include

- Internal tag historian
- Event logging
- Remote synchronization
- Alarm notifications

CANARY

THE DATA HISTORIAN THAT DOESN'T COMPROMISE

VERSION 23

NEW FEATURE:

+ The **Linked Tags** feature
    + Value -> **Minimises** tag maintenance
+ Difference between **linked tags** and **renaming tags**

canary

VERSION 24

NEW FEATURES:

+ **Licensing** -> License pushback
+ **Axiom** -> Cross-application reports
+ **Calculations** -> Single sender session
+ **Store and Forward** -> New service
+ **Identity Service** -> New service
+ **Linux Support** is in the works!

FLOW

SOFTWARE

www.flow-software.com

FLOW Version 7.0 (October 2023)

1. Multiplatform Support - Linux and Docker!
2. Apache Kafka Streams
3. New Regression Functions for ML Fundamentals
4. ThinManager Support
5. Style Refresh and UI Improvements
6. Performance Enhancements
7. AVEVA Historian Store and Forward

7.0

FLOW Version 7.2 (December 2023)

1. A CLI (Command Line Interface)
2. Enhancements to the Remote Platform functionality
3. The ability to use a REST API data source in Flow Tags
4. New Data Source: Amazon Timestream

FLOW Version 7.3 (February 2024)

1. Event Period integration for SQL Based Data Consumers
2. Improved handling of Json payloads received by the Web API Data Source
3. Performance improvements relating to Chart configuration in the Config Tool

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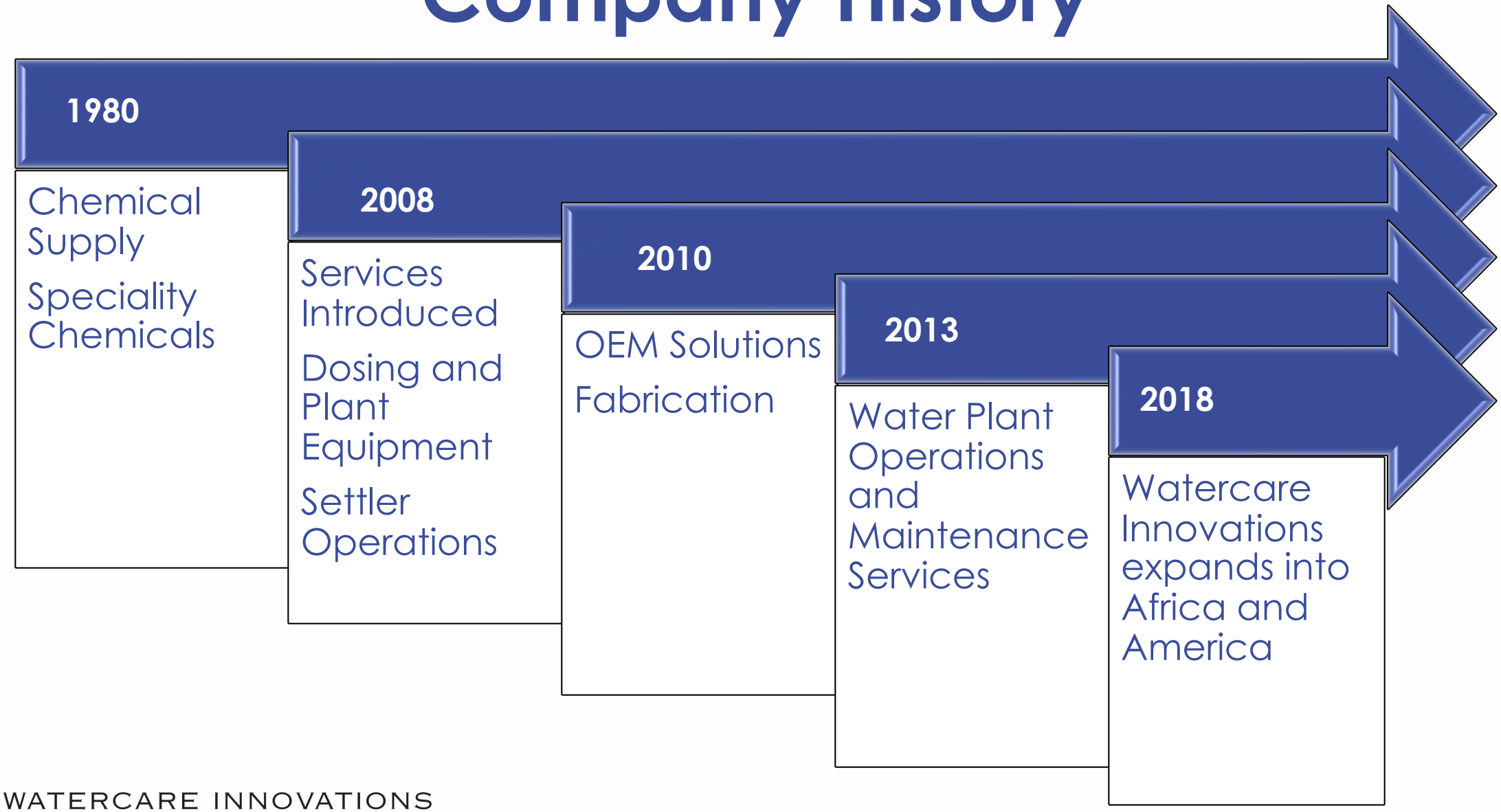
WATERCARE INNOVATIONS
building long term partnerships

VENNIC
INNOVATIVE PROJECT SOLUTIONS

Ignition!
by inductive automation

Cirrus Link
SOLUTIONS

Company History

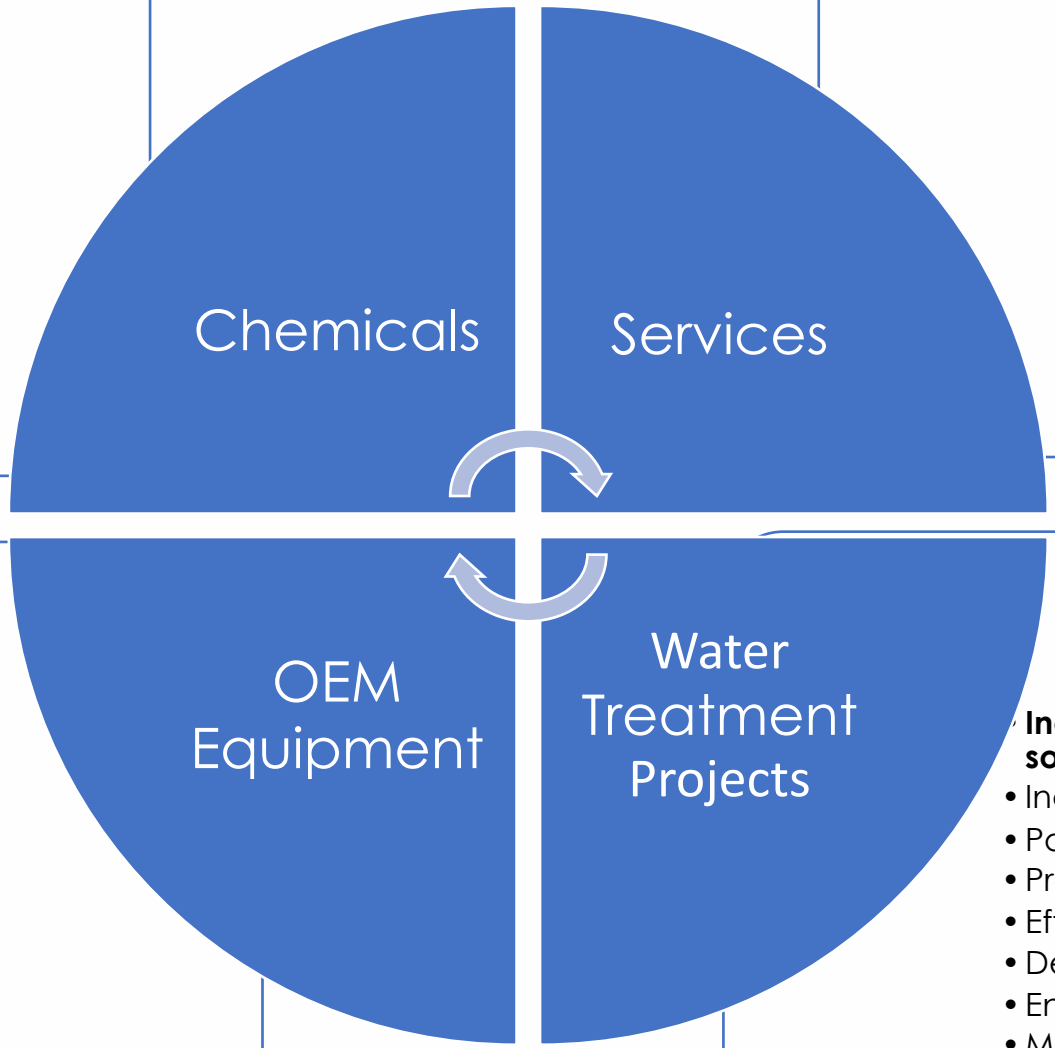


WATERCARE INNOVATIONS
building long term partnerships

Capabilities and Core Offering

Turnkey and bespoke formulations and solutions:

- ISO accredited manufacturing and blending facility
- Cooling Water
- Boiler Water
- Process Water
- Clarifiers
- Thickeners
- Disinfection



Site specific and bespoke solutions:

- Operation, management and maintenance of water treatment plants
- Chemical Dosing Units
- Optimization (Energy, Chemical and Waste)
- WaterBizz (Remote viewing and Monitoring)
- In-house Laboratory
- Training

Including turnkey and bespoke solutions:

- Solid-Liquid Separation WTP
- Reagent Make-Up Plants
- pH Correction Plants
- Degritting Plants
- High-rate Clarifiers

Including turnkey and bespoke solutions:

- Industrial WTP
- Potable WTP
- Process WTP
- Effluent/Waste WTP
- Desalination and IX WTP
- Environmental Discharge WTP
- Metals Upgrade/Recovery Plants

WATERCARE INNOVATIONS
building long term partnerships

Overview of Industrial Water Plants

58 ML/day of Environmental discharge

110 ML/day of Mine Impacted Water

15 Plants

42 ML/day of compliant drinking water

10 ML/day Waste Streams to Lined Storage Facilities

Customer Projects

Water/Wastewater

Products: Ignition and Cirrus Link MQTT

Requirements

- Priority was live monitoring, then control and trending, and finally prediction
- Technology selection: Open-source compatible, extendable, unlimited tags, Linux-based and community-driven
- Better data management system for manual data
- Moreover, the ability to build custom solutions within the Ignition environment

Solution

- Cloud application controls 12 treatment sites
- > 28000 tags
- > 1500 manual data capture systems
- 25 Connected Databases
- Six key projects

Value

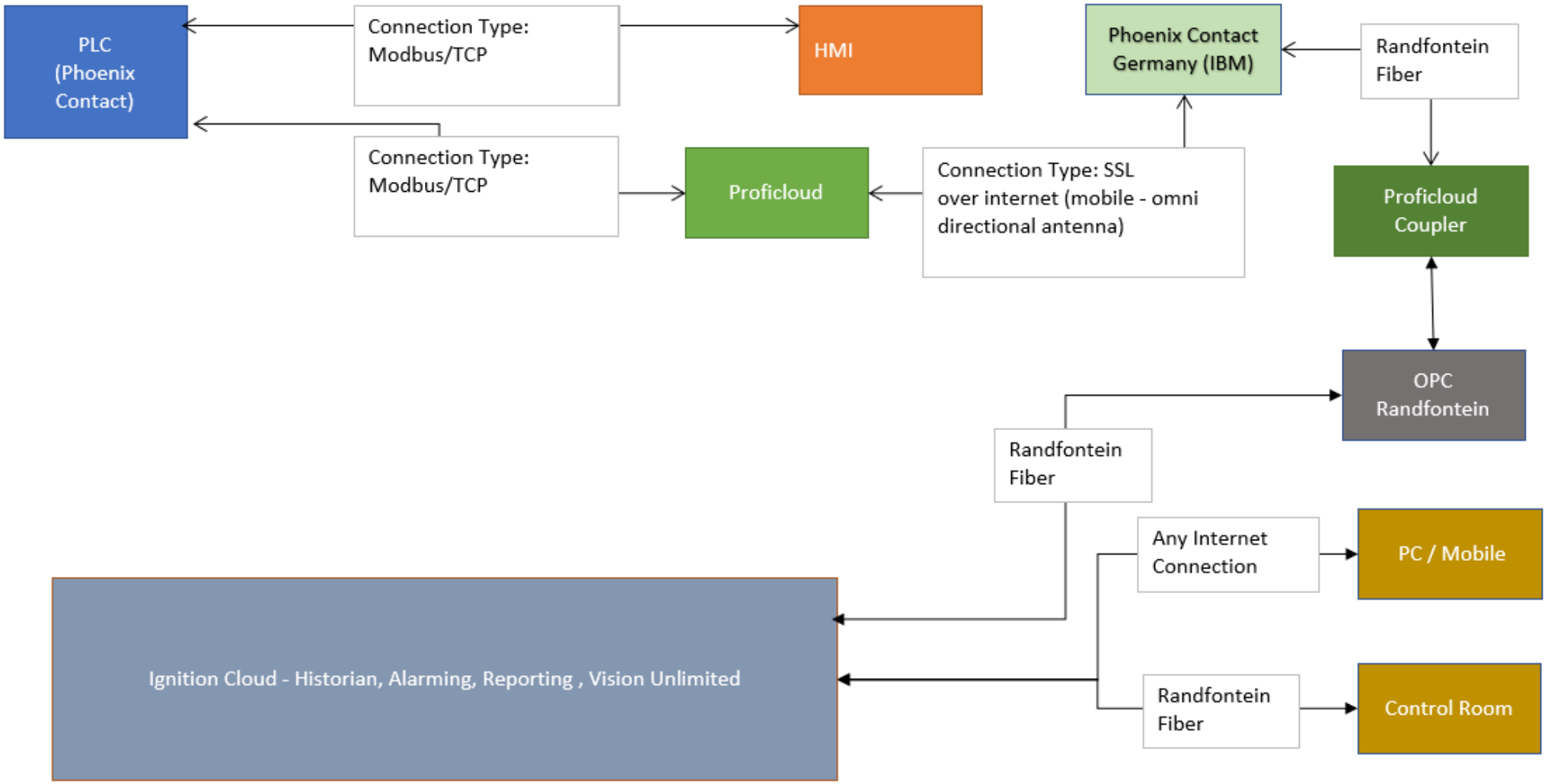
- Scalable tag management
- Robust and customisable historian (RO normalisation)
- Templating and UDTs are critical
- Centralises what would otherwise be a very disconnected set of services
- The control room provides oversight of operations otherwise not possible
- Engineers can diagnose issues without necessarily being on-site
- Centralised management of data, be it IIoT or Human driven

Future

- Addition of non-plc systems, data mining and prediction
- System to automate Lab with a custom LIMS system
- Live data referencing and validation

Architecture

Initial Cloud Setup



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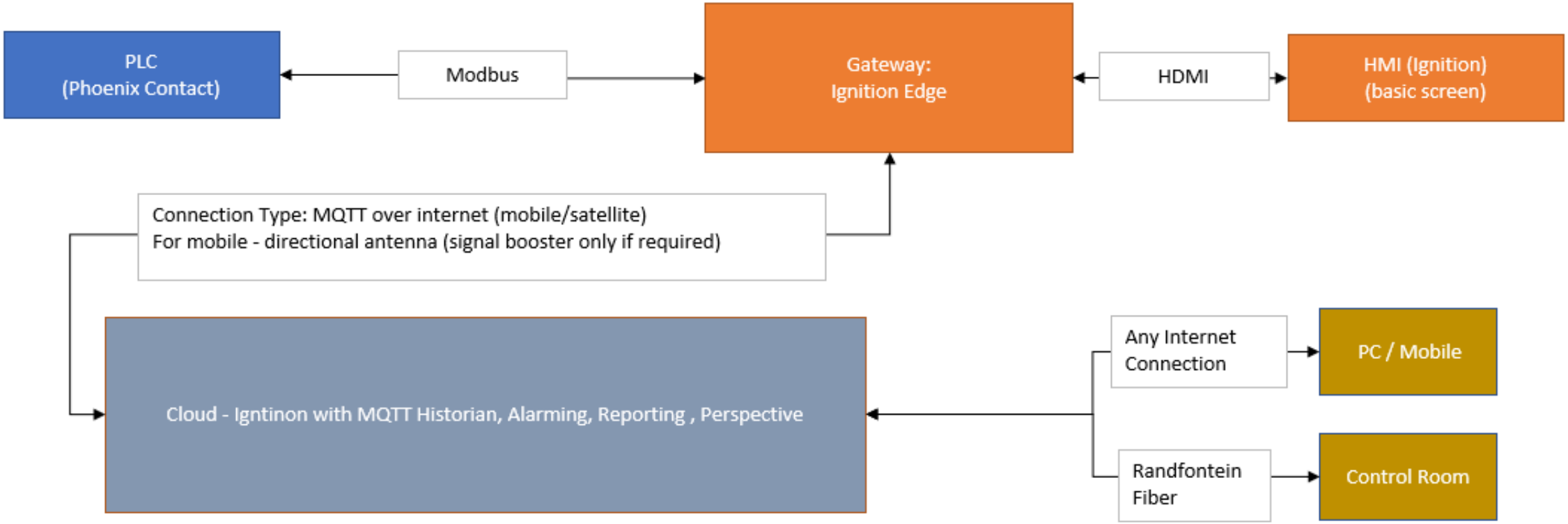
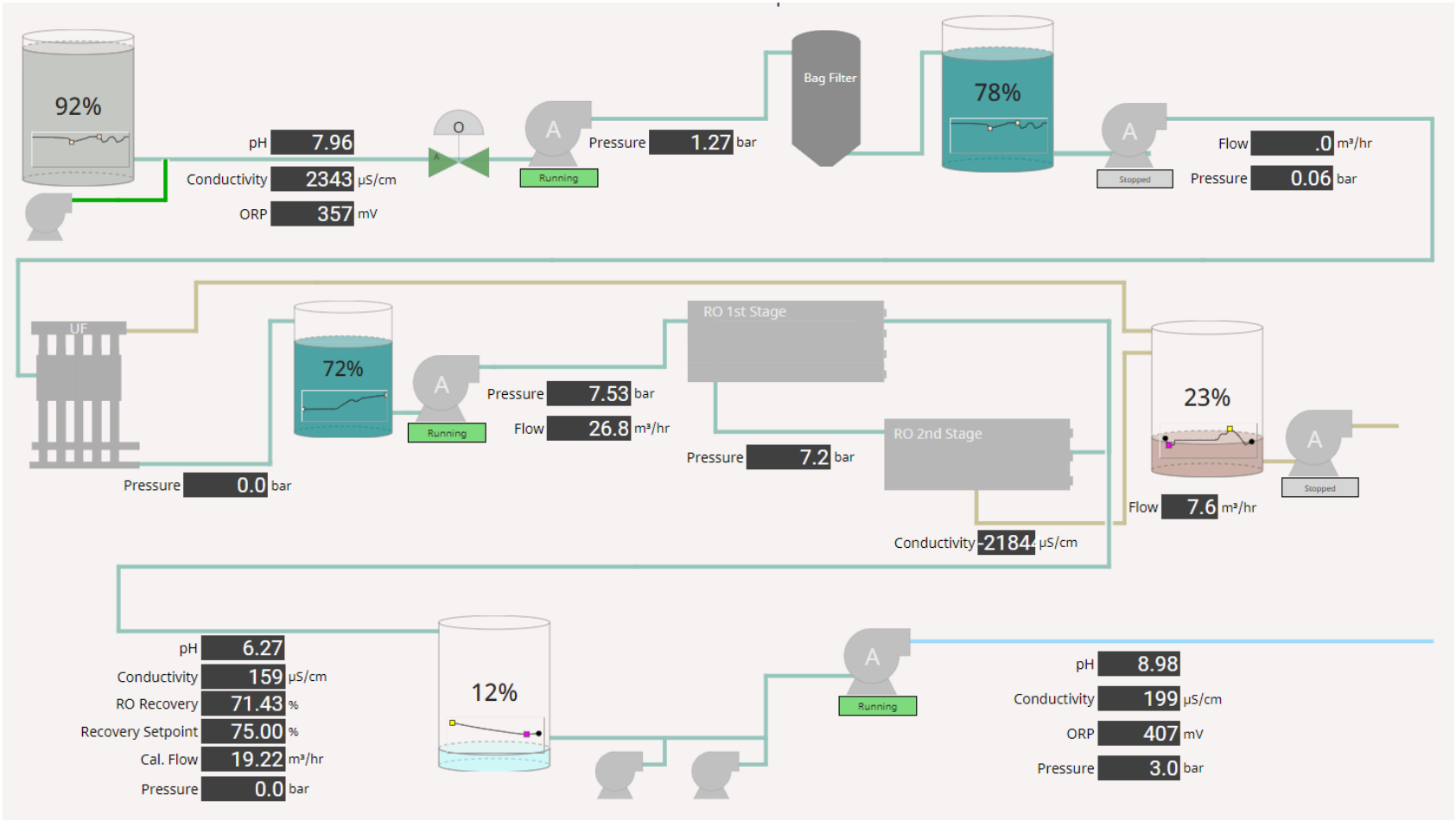
Current Cloud Setup



Control Room and Application

Control Room

New Cloud SCADA



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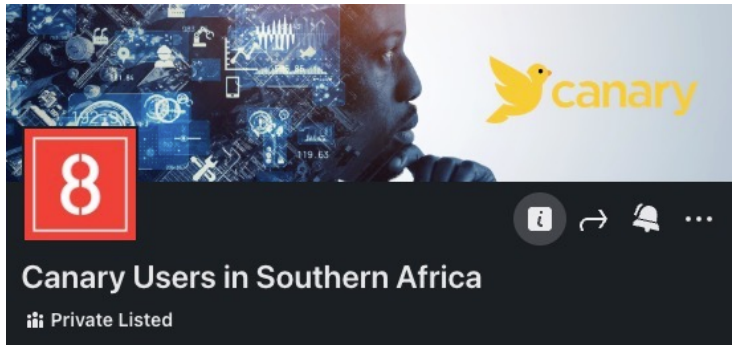

LinkedIn
Groups

OCTOBER 2024

JOHANNESBURG
DURBAN
CAPE TOWN