

# **Big Data, Industry 4.0, IoT - Where is the the value?**

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## **Summary**

It is 2025 and you look back over the past 10 years. For the Chemical Industry what trend was easy to spot and what disruptor came out of the blue.

What impact did machine to machine intelligent networking deliver.

What commercial and consumer tech. changed the game.

What Engineering roles are going to be in high demand.

This presentation will go over the horizon using current trends and disruptive technologies explore the plant of the future.

## **Problem**

Brownfield Chemical Plants running below optimal. Unplanned shut-downs and inefficient turnarounds.

Maintenance performing routines and chasing breakdowns. Obsolete Equipment.

There are Billions of \$ improvement potential and increasing competition will drive change to release this opportunity.

## **Solution**

We will explore

- 1) Everything is connected, networked real time and its implications
- 2) Partnerships of Manufacturers, Experts and Suppliers - with common purpose
- 3) New roles for Engineers to realise the value

## **Results & Benefits**

Billions of \$ in savings. IoT revenues vary from \$150Bn to \$300Bn in this time-frame.