



HOW ASSET PERFORMANCE SUPPORTS OUR DRIVE TO NET ZERO

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SOLUTIONS ARCHITECT, CAPULA





NET ZERO & ASSETS



What is Net Zero and why all the emphasis on it



Can we achieve Net Zero without measuring / calculating anything from our assets



How does bad performance of assets affect my Net Zero drive



Can I afford to be Net Zero compliant but not cyber resilient

An aerial photograph of a dense forest of evergreen trees. A narrow, winding path or stream bed cuts through the center of the forest, curving from the top left towards the bottom right. The trees are a vibrant green, and the path is a dark, narrow strip. The overall scene is lush and natural.

Global net zero emissions describes the state where emissions of greenhouse gases due to human activities and removals of these gases are in balance over a given period

DO I HAVE TO MEASURE STUFF?



So Yes, Measuring “STUFF” is Critical...

ASSET PERFORMANCE AFFECTS NET ZERO DRIVE



BNfmNZ
(Bad News for my Net Zero)



“This is new, so what do I measure as my baseline”



“My Energy use isn't optimised”



“I produced less product, so my product-to-energy-use ratio is lower”



“My assets keep breaking down, increasing maintenance costs, loss of production and operational downtime.”



“I cannot predict 'Asset Failure' before it happens”



“My assets are supposed to be valuable, but I don't know if they continue to contribute to return on investment”



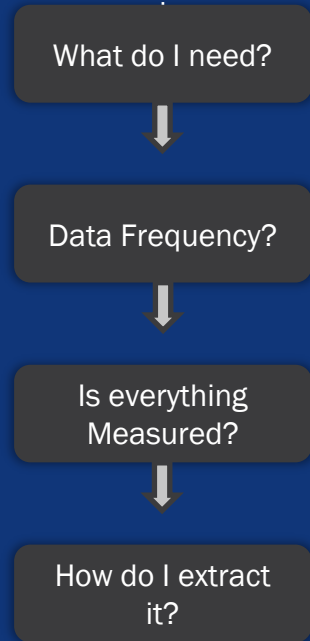
“What are my assets actually doing”



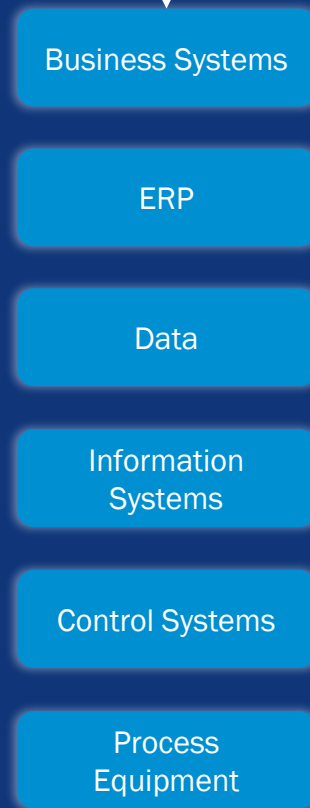
“Is this only about energy monitoring?”

GETTING MY DATA

DATA CAPTURE



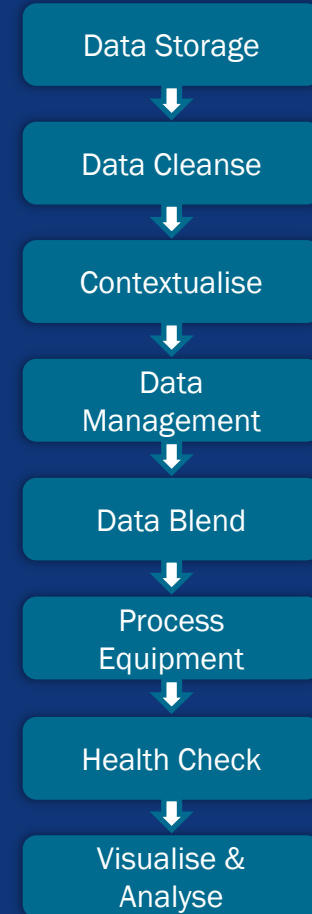
DATA SECURITY



ISA 95

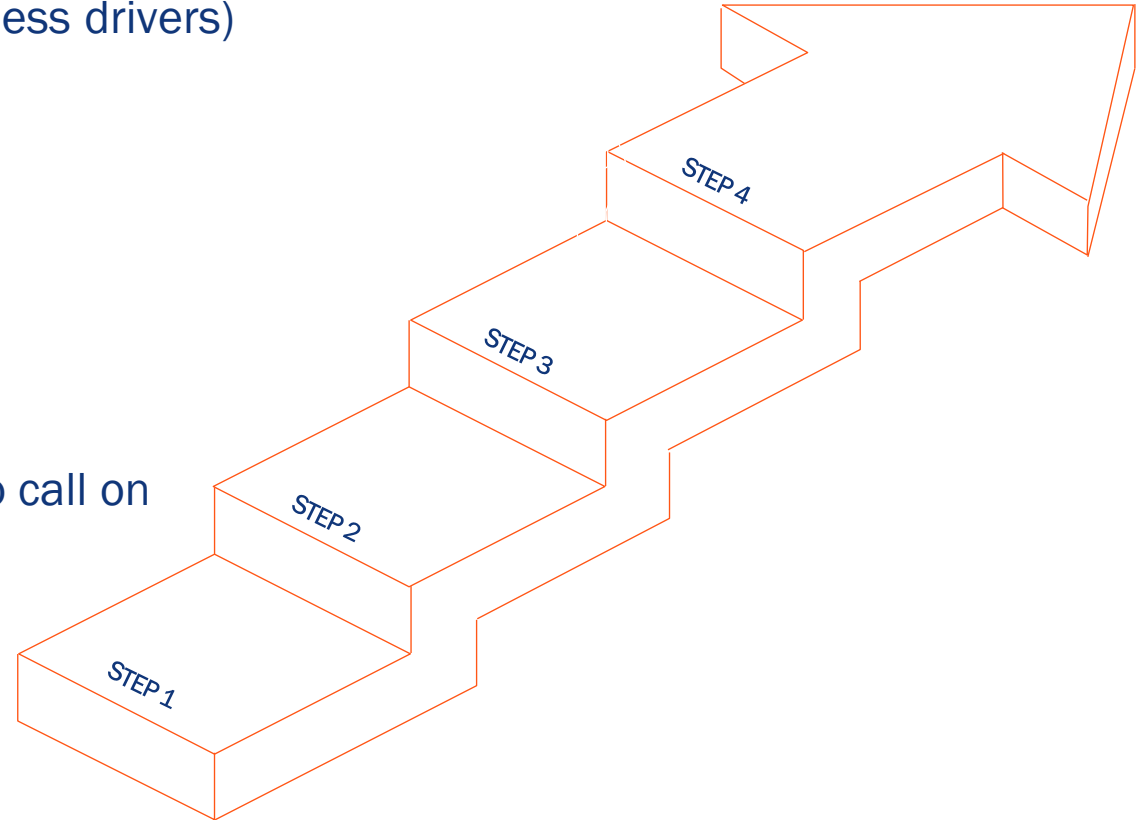


DATA TRANSFORMATION



WHAT IS OUR ROLE?

- Understand what is needed (primary objective / business drivers)
 - Secure data capture
 - Data historians / data lakes
 - Contextualisation and standardisation of data
 - Asset performance analytics
 - Reporting
- Measured and phased approach
- Highly skilled and experienced employees available to call on
- Modern project approaches





QUESTIONS