



WHEN DATA > SCADA

FORECASTING, HERESY, AND DENIAL

A person wearing a white hard hat and a blue shirt is working on a server rack. The rack is filled with various electronic components and a dense array of colorful cables (yellow, green, blue, black). The person is positioned on the right side of the frame, looking towards the server equipment. The background is a plain, light-colored wall.

DIGITAL FUTURE

MOST LEGACY ANALOG OT WILL EVENTUALLY BE REPLACED

A close-up photograph of several strands of red and white braided rope. The rope is intricately woven, with the red strands forming a dense, textured background and the white strands creating a distinct, repeating pattern. The lighting is soft, highlighting the texture of the fibers.

OT, IT & JUST T

IT'S ALL JUST BLINKY LIGHTS



HYPERINNOVATION

ACCELERATING DISRUPTION – INTENTIONAL & ACCIDENTAL



HYPERAUTOMATION

HOW FAR WILL WE AUTOMATE? AS FAR AS WE CAN.

A photograph of a SpaceX satellite in orbit above Earth. The satellite is white with "SPACEX" written on it and has large solar panel arrays extending outwards. The background shows the Earth's surface with white clouds and blue oceans.

HYPERCONNECTED

SMART EVERYTHING WILL BE CONNECTED TO SMART EVERYTHING



OVERFLOW

WHAT HAPPENS WHEN EVERY DEVICE HAS A DATA STREAM?

EASY SELL

EFFICIENCIES THROUGH OPERATIONAL DATA ANALYSIS





INTELLIGENCE

SOMEONE ELSE CAN DO IT FASTER CHEAPER & BETTER THAN YOU





BEYOND EFFICIENCY

WHAT IF YOU COULD USE THAT OPERATIONAL DATA FOR OTHER THINGS?



PRIVACY PROBLEM

IS YOUR DATA WORTH CHEAPER (FREE) SERVICE?

PURE OPS EXAMPLE

CONTEXTUAL SYSTEM DATA & SURROUNDING EQUIPMENT





TIPPING POINT

WHEN WILL REVENUE FROM DATA PRODUCTS TAKE THE LEAD?

YOU MAY MAKE MORE
MONEY FROM THE
OPERATIONAL DATA
CREATED BY MAKING THE
PRODUCT THAN THE
PRODUCT ITSELF



PROVEN MODEL

IT HAS ALREADY BEEN DONE



REGULATION

PRECEDENT, INNOVATION & PUBLIC BENEFIT



TRANSFORM

DATA IS NOW YOUR BUSINESS



HANDLE WITH CARE

DATA IS THE NEW URANIUM – HIGHLY VALUABLE/TOXIC



MOVING TARGETS

PROTECT THE PROCESS, THE PRODUCT & THE DATA PRODUCTS



MANUAL SHIFT

OPERATIONAL OBLIGATIONS VS PROFIT MOTIVE



BIGGER PICTURE

NEW DEPENDENCIES BETWEEN OT & IT (& CLOUD)



GRAB A JETPACK

INNOVATE AHEAD OF THE DISRUPTION

 @patrickcmiller@infosec.exchange

 @patrickcmiller

 linkedin.com/in/millerpatrickc

 pmiller@amperesec.com

 www.amperesec.com

 +15032721414

