

What Are We Going to Do with All This Data?

Discover and Operate in the Stable and Capable Moment!

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ABSTRACT

While operating and managing in a regulated environment has its own unique set of challenges, today we find that ALL operations teams in ALL industries have reached a critical point in their business- everyone is asking - "how do we convert the plethora of plant and operational data into actionable information?".

How did we arrive at this place and time? Simple- we are witness to the dawn of a new phase in the digital revolution: the Internet of Things, IOT. The IOT is the harbinger of a time when the rate at which data streams into our operations will accelerate and will reach unprecedented levels- the volume, velocity and the number of variables are all increasing...all at the same time! Data sources range from smart sensors, advanced control systems, regulations, and of course the traditional IT applications that help us measure, monitor and report on such things as cost, quality, safety, and compliance.

Faced with this increasingly complex environment managers, operators, engineers, and even board members have to decide how they want to address the challenge of managing and mining the value from their BIG DATA. These data help maintain operational efficiencies- if you will they need to support the decision framework of operating the plant in that stable and capable moment, and these same data help us define how to effectively deploy capital required to deliver new levels of service and comply with a suite of emerging regulations.

I believe the best way to address this challenge is to develop a system that delivers an 'Expedia- like' experience to the user. Users simply ask a question of their data and they should expect an answer. The source or location of these data should not become a concern to the user.

To that point- I once heard it said the only thing that likes BIG DATA are computers.... people it seems want answers!

By attending this session, you will get answers to some of the basic questions about what to do with all this data-

"How do I get VALUE out of these silos of data?"

"Is there a road map or building block approach to attacking this problem of mining value and finding our stable and capable mode of operation?"

"How will this activity of extracting and transforming data into information impact my IT and control

systems INFRASTRUCTURE and RESOURCES? “

“What does this new era in plant analytics look like?”

ABOUT THE AUTHORS

Jim Black has over 30 years' experience helping firms define the business processes and cultural changes needed to insure that their investments in technology delivers on its promise of creating a more stable, capable and sustainable mode of operations. Throughout his career Jim has been on the forefront of many of the software and services innovations adopted by Fortune 500 manufacturing firms. Today he is committed to helping clients understand how leveraging recent advances in data modelling, cloud based analytics and the services elements included in the SaaS (software as a service) business model makes it EASILY for them to extract value from their DATA. All while putting their organizations on the path to continually discover new and innovative modes to realize their full profit potential! Contact: jim.black@ipleanware.com