Deep Dive Workshop on
Artificial Intelligence and Robotics for Electric Utilities
Organized by India Smart Grid Forum

AI Based Predictive Prescriptive Analytics for Transmission & Distribution Utilities

Presented by
Tutor: Dr. Ashutosh Natraj, CEO, Vidrona Ltd

Tuesday, 15th June 2021 | 17:30-19:00 (India) | 20.00 - 21.30 (Manila)
VIDRONA LTD, UK:

BRITISH AI BASED PREDICTIVE PRESCRIPTIVE ANALYTICS ENERGY ASSET MANAGEMENT COMPANY

Our Product: It is AI based Analytics Software Platform for utilities (TSO and DSO) on the cloud.

“Increasing return on investments by increased asset life”

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GAP ANALYSIS
LACK OF ANALYTICAL TOOL

DATA COLLECTION PLATFORM

Patrolling/Inspection

Asset Nos: 100000+

Collected Data

Collected Data

Collected Data

TBs of Big Data

WHAT TO DO WITH THE COLLECTED IMAGERY / DATA

1. Does it provide intelligence?
2. Does it provide predictive analytics?
3. Foresee future faults?

COLLECTED IMAGERY / DATA

Provides

1. No Intelligence
2. No Predictive analytics
3. No Identification of future faults

Customer Assets = 100000+ Ckt KM

Customer Assets

Organizer

Partner Organization

Organizer Partner Organization
PROPOSED SOLUTION, HIGHLIGHTING ROLE OF SPACE IN THE INNOVATION

105+ Fault types
Identified
Segregated based on Severity
Predict affected Line, Towers, Components
Perform predictive maintenance with prescriptive analytics

vSense®
“AI based Analytics” Software Platform
CASE STUDY: 1

Customer benefit from Vidrona Ltd to eliminate false judgment and utilise maintenance money to fix critical Major fault.
CASE STUDY : 2
Question and Answers
Thank You
For discussions/suggestions/queries

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