



Confederation of Indian Industry

CII Online Workshop on Digital Preventive and Proactive Maintenance in Industry 4.0

Tuesday - Wednesday, 24 and 25 November 2020, 3.30 – 5.30 p.m.

Context

The rise of new digital industrial technology, known as Industry 4.0, is a transformation that has ushered in manufacturing revolution by allowing industry to gather and analyze data across machines, enabling faster, more flexible, and more efficient processes to produce higher-quality goods at reduced costs.

However, companies still face formidable challenges in the adoption of these new technologies.

As we are aware, the objective of industrial preventive & proactive maintenance is to ensure the proper functioning of production tools. Faced with the increasing complexity of production tools and the fragmentation of global value chains, industrial maintenance is constantly evolving. However, today industrial maintenance cannot be understood without its digital side. Digital technology has redefined the notion of distance between an equipment and the decision-making body of a possible intervention, but also that of temporality, by reinforcing the immediacy of actions.



The digitalization of industrial preventive & proactive maintenance is now absolutely necessary due to new consumer habits, the evolution of digital skills in professional environments, or the acceleration (and high speed) of technological progress.

In order to answer the crucial question of how Digital Preventive and Proactive Maintenance is the need of the hour and why companies should consider it, CII Naoroji Godrej Centre of Manufacturing Excellence is organising a **2-day Online Workshop** on the said topic on **Tuesday & Wednesday, 24 & 25 November 2020 from 3.30 – 5.30 p.m.**

The Workshop will further focus on how digital industrial maintenance plays a key role enhancing the global performance of companies, while offering significant gains in terms of profitability, productivity and safety.

Objectives

- Understand how Industry 4.0 is impacting Industry
- How technology and data analytics will create new business challenges and new opportunities?
- How to combine your existing Best Practices which give you competitive advantage with Digital technologies to provide sustainable growth?
- How to make your workforce more productive and empowered by leveraging technology?
- Understand 'as is' preparedness
- Build roadmap for Smart Factory
- Identify use cases for your specific requirements
- Identify and implement a quick pilot to assess benefits

Key Takeaways :

- Practical Implementation of Industry 4.0
- Challenges and Opportunities
- Identify use cases within their organisations
- How to choose a best vendor?
- How to implement in a cost effective and sustainable way?
- Team required

Workshop Content

Day 1 : 24 November 2020

- Concepts of Industry 4.0 – Need & Benefits
- Underlying technologies of Industry 4.0 – IIOT, Edge Analytics, Cloud Technologies, Prescriptive, Predictive, Proactive Analytics
- Practical Challenges in Implementing Industry 4.0 for old factories
- Integration with PLCs, DCS, Historians, ERP systems

Day 2 : 25 November 2020

- Industry Use Cases- Steel, Chemicals, Textiles, FMCG, Oil & Gas, Appliance
- ROI and Benefit Analysis- Improvement in Profitability and Uptime
- Real Time Manufacturing Analytics – Digital Shop floor
- Smart Maintenance- Digital Maintenance and Asset Management
- Live Demo with Sensors, IOT Gateway , Mobile App, Cloud Analytics

Target Audience

- IT Heads, Automation Heads, Maintenance Heads, Engineering Heads, Production Heads, Plant Heads, CFO/CIO
- Heads of R&D/ Research Engineers/ IT Head / CIO
- Middle & Senior level managers in Production / Operations / Planning / Purchase / Supply Chain / Quality / Maintenance / Industrial Engineering / Process Engineering

- Products and Services providers in Smart Manufacturing Space / System Integrators / Consultants
- Decision Makers, Industrial Manufacturing, Automation, Robotics, and Consultancy space who want to understand the “WHAT” and learn “HOW” to get their organization industry 4.0 ready would also benefit.

Timing of Workshop

Day 1 : 24 November 2020 - From 3.30 p.m. to 5.30 p.m.

Day 2 : 25 November 2020 - From 3.30 p.m. to 5.30 p.m.

Faculty : Aditya N Vermani

Aditya Vermani is a Co-Founder in Clairviz Technology Systems . He is a B.Tech in E&CE from NIT , Hamirpur and has done EMBA from SP Jain, Mumbai. He has worked in Larsen and Toubro for 14 Years and General Electric (GE) for 3 Years. His focus area is Automation, IT, Analytics in Manufacturing and Infrastructure segment.

An experienced and innovative thought leader/entrepreneur with all round expertise in domain and technologies of Digital Manufacturing. Have worked for over 20 years in Manufacturing Excellence, Automation, IT, Analytics in Manufacturing and Infrastructure segment. Have handled leadership roles in technology, business development, projects and customer service. A pioneer to drive Smart Manufacturing, IOT & Industry 4.0 practices in Indian manufacturing.

- In-depth domain knowledge of industry segments like Power, Paper, Textiles, Pharma, Metals, Mining, FMCG, Oil & Gas, Cement, Ports, Metro Rail, Airports, Aerospace, Data Centers, Renewables.

Expertise in process domain and integrated automation solutions from field instruments to business systems

Deep technical knowledge of building blocks of automation like field instruments, Variable Speed Drives, PLC, SCADA/HMI, Plant Information Systems, Transformers, Substation Equipment, Smart Grid Solutions, HT/LT Switchgear, Motors, Electricals, UPS and Engineering Services.

- Handled Sales, Business development, Site Commissioning, Project Management, Estimation and Proposals.
- Managing Customer relations, Retaining & Growing Key Accounts. Establishing senior level contacts with customers to create preference, brand building.
- An Experienced professional with successful track record of driving teams to achieve goals with high motivation levels
- Demonstrated sustained profitable growth while achieving the desired Sales.
- Developing strategy and business plan to meet short term and long-term goals.

- Implementation of modern management practices, concerning personnel, IT, reporting systems, and partnership customer-supplier relations, etc.
- Founder of start-up in field of Business Intelligence & Manufacturing Intelligence

About Clairviz

ClairViz Systems was established in 2015. ClairViz is a technology company offering products and solutions in “Smart Manufacturing & Digital Maintenance” space by leveraging IIOT, Big Data Analytics, AI/Machine Learning.

ClairViz is recognized Startup by Govt of India. Clairviz is also Cloud Solution Partner of Microsoft. Clairviz has won multiple awards/recognitions for its innovative and technology-based products from NASSCOM, Institution of Engineers, Bombay Management Association etc.

Customers of ClairViz include HPCL, Aditya Birla Group, Mahindra, NLMK Steel, Arvind Mills and other leading manufacturing organizations.

Participation Fees

Type of Organisation	Fees per Participant
<i>CII Large and Medium Scale Members</i>	Rs 5,000/- + 18% GST
<i>CII Small Scale Members</i>	Rs 3,750/- + 18% GST
<i>Non-Member Companies</i>	Rs 6,000/- + 18% GST

SPECIAL DISCOUNT

10% on 3 or more nominations from an organization.

Payment of fees is to be drawn in favour of “Confederation of Indian Industry”. Alternatively, it can also be made by NEFT / RTGS.

- ✓ Prior registration for participation by the companies is necessary
- ✓ Nominations will be purely enrolled on first come first serve basis.
- ✓ Certificate of Participation will be given to all participants who attend the Workshop fully.

For Nominations & Enquiries kindly contact:

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