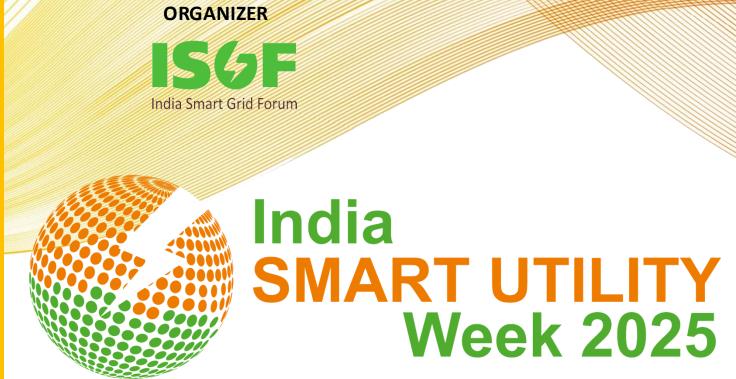
Host Utilities









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Name of Session: 25 SELECTED TECHNICAL PAPERS

Integrated Bespoke Outage Management System: Effective solution for Indian Power Utilities to address Customer Power Failure Grievances

Presented By

Mr. Birendra Choudhary, Deputy General Manager, Noida Power Company Limited











PRESENTATION GUIDELINES





- <u>Presentation Time</u>: The total time for presentation is 7 mins. You are requested to be present on-time as per your session slot.
- <u>Presentation Format</u>: All the presenting speakers are required to give a presentation as per the PPT Format.
 (Maximum 7 Slides). Please note that the additional presentation slides cannot be added in the shared PPT format.



Foundational Blocks for Smart Grids

Integrated Bespoke Outage Management System: Effective solution for Indian Power Utilities to address Customer Power Failure Grievances

The Integrated Outage Management System (IOMS) is a real-time solution specifically developed for Noida Power Company Limited (NPCL), an Indian utility. IOMS serves as a centralized platform designed to enhance customer service in managing power outages by integrating various components, including CRM, GIS, SCADA, AMR, IVR, Crew Apps, the Shift Engineer App, the website, chatbots, WhatsApp, and AMI.

||Project Start Date:Dec-2023 ||

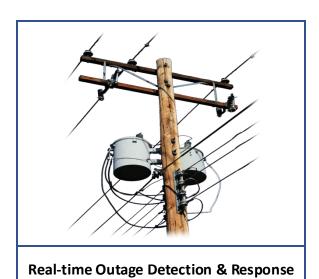
||Project End Date:Oct-2024||

Outage Management System (OMS)



CONTEXT

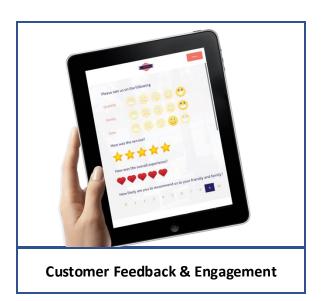


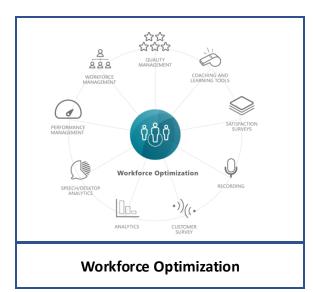










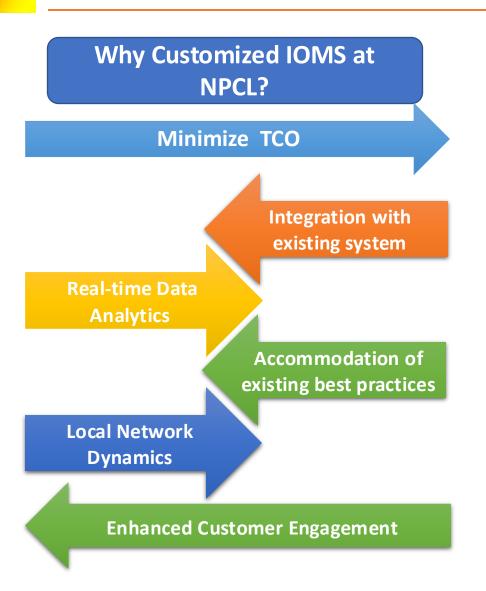




By implementing these measures, we have enhanced the **customer trust, satisfaction, and operational efficiency**, ensuring a more resilient and reliable power supply system in our Licensee Area.

RELEVANCE

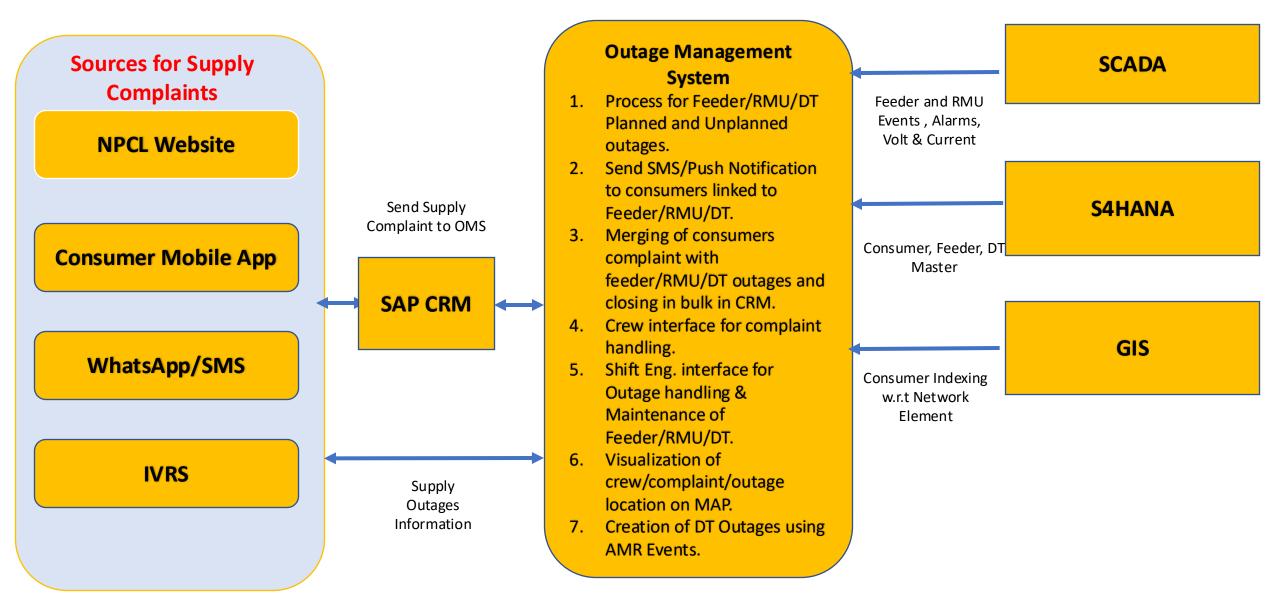




- We started with reiki for implementation from 2022-2023.
- It was decided to develop an in-house OMS using the inhouse talent.
 - Also provide significant advantages over
 COTS market solution

PRESENTATION ON THE TOPIC (1/2) (1 Min)



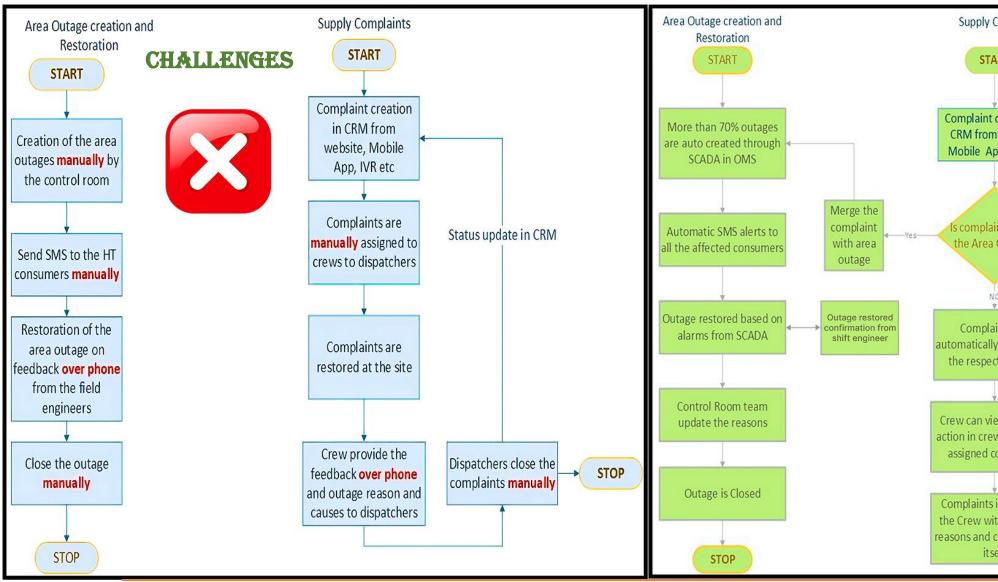


PRESENTATION ON THE TOPIC (2/2) (1 Min)



BEFORE IMPLEMENTATION

AFTER IMPLEMENTATION



USE CASE / CASE STUDY



	Control Room Operator	Dispatch Centre Operator	Outage Notification	Average Supply Restoration Time
BEFORE	7	8	1.5 K HT Consumers	1.34 hrs.
AFTER	4	2	1.7 Lacs consumers	1.10 hrs.
	Shift Operator at control room for creation/restoration of outages at feeder and RMU Level	Dispatch centre Operator for assigning and closure of complaints	Outage SMS notifications to all affected consumers	Average supply restoration time

KEY TAKEAWAYS / RECOMMENDATIONS



	Prior Intimation of Area Outages	Individual Supply Complaint Handling	Complaint Feedback & Reopening	Field Force Management
BEFORE	0	100%	0	No Digital Records Available
AFTER	100%	Approx.80%	100%	Digital Record's Available
	Prior intimation of area outages available to all the sources	Individual supply complaints merged with area outage (if any)	Closed complaint can be reopened by call centre agent based on feedback or by consumer through whatsapp Whatsapp feedback option send to all consumers whose supply has been restored	Online Tracking of Complaints, Network Maintenance & Follow- Ups

Host Utilities









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THANK YOU

For discussions/suggestions/queries email: isuw@isuw.in

www.isuw.in

Links/References (If anv)







