

Dynamic Notification Process for real-time updation of Consumer with Network using advanced integrated digital platforms

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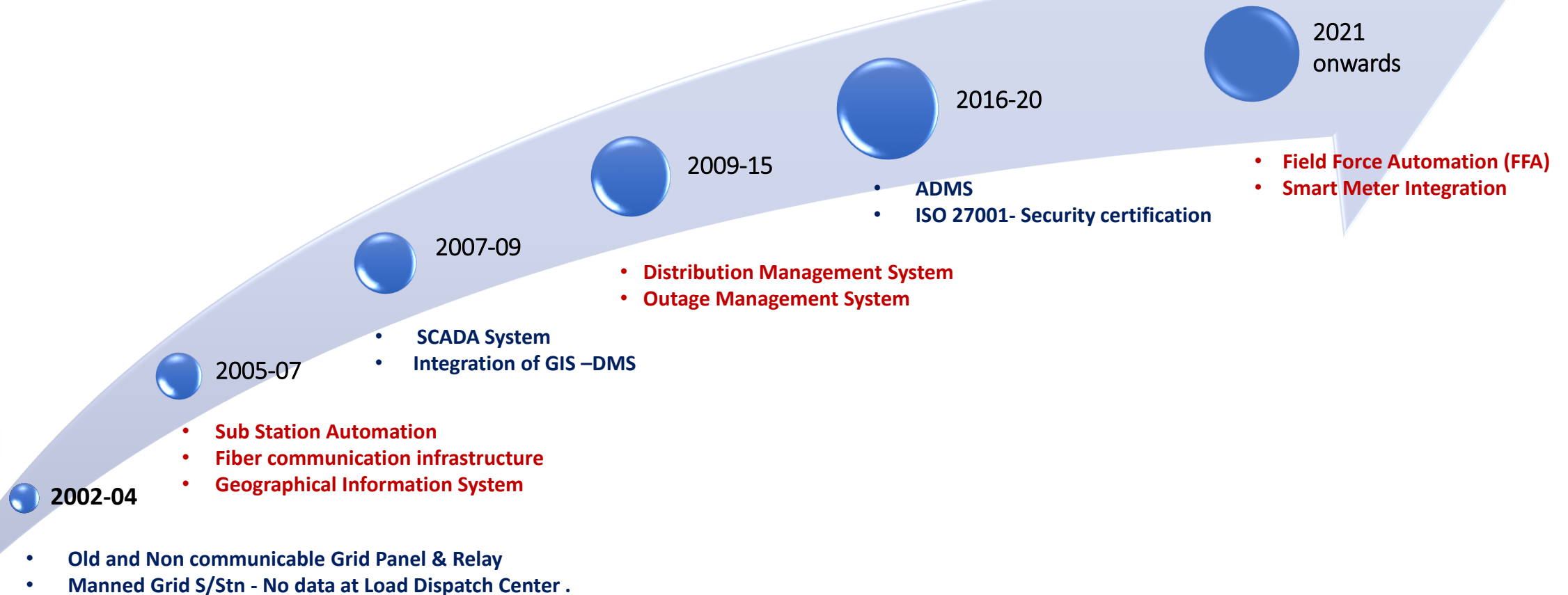
Introduction



Parameter	Unit	July '02	March'21	% Change
OPERATIONAL PERFORMANCE				
AT&C Losses	%	53.1	7.3	88%
System Reliability – ASAI -Availability Index	%	70	99.61	41%
Transformer Failure Rate	%	11	0.84	90%
Peak Load	MW	930	2069	123%
Length of Network	Ckt. Km	6750	16513	145%
Street Light Functionality	%	40	99.41	150%
CONSUMER RELATED PERFORMANCE				
New Connection Energization Time	Days	52	3	94%
Meter Replacement Time	Days	25	2	92%
Provisional Billing	%	15	0.86	94%
Defective Bills	%	6	0.13	98%
Bill Complaint Resolution	Days	45	4	91%
Mean Time to Repair Faults	Hours	11	1.50	87%
Call Center Performance - Service Level	%	-	95	
Payment Collection Avenues	Nos.	20	6725	33525%
Consumer Satisfaction Index	%	-	90	
OTHERS				
Capex (Cumulative)	Mn USD	187	984	428%
Consumers	Count Mn	0.7	1.79	156%
Employees	Count	5600	3217	43%



Technology Evolution





Dynamic consumer connectivity with electrical equipment

Faster relay of information

Accurate calculation of Reliability Parameter

Future Network Planning & Maintenance activity

Importance of Network Updation

Safer Operation

Real-time Calculation of Reliability Parameter

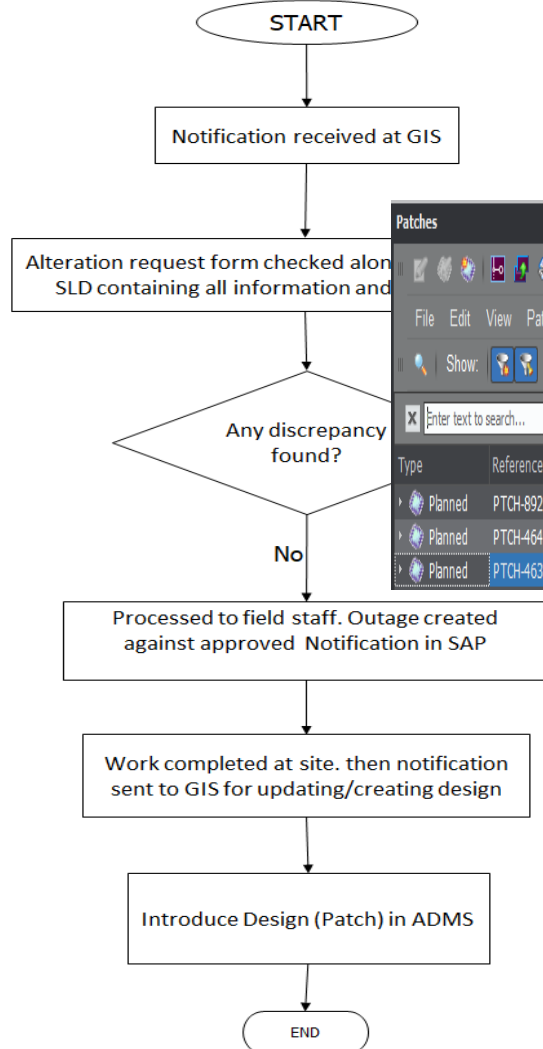
Consumer back feeding

Asset Performance monitoring

Accuracy in Prediction logic



Platform for Updation



Patches

Type	Reference	Name	Version	Description	Created By	Created Date	Introduced By	Introduced Date	Visible	Scope
Planned	PTCH-89284-M	HR/S0511/00207-GS8-27032021 - MV	1	HR/S0511/00207-GS8-27032021 - MV	GIS	30-03-2021 01:35:46	model_importer	30-03-2021 01:36:04		
Planned	PTCH-46405-M	13317948	1	13317948	cm2dml	27-05-2019 06:07:40	model_import	27-05-2019 06:10:40		
Planned	PTCH-46330-M	29319074	1	29319074	cm2dml	26-05-2019 14:56:29	model_import	26-05-2019 14:57:41		

LT Network Change Management Application Control Panel

Log Out

Details

View All Request






Category Type	Zone From	Substation From	LT ACB From	Pole From	Process Request
NOP Change/Load Shifting	423	SARDAR GAS CARBONIC,AZAD MARKET	Refer Remarks	423-2/9/8	1000758 Pending for Revoke Temporary PSC 02-DEC-2021 03-DEC-2021
NOP Change/Load Shifting	423	SARDAR GAS CARBONIC,AZAD MARKET	Refer Remarks	423-2/9/8A	1000757 Pending for Revoke Temporary PSC 02-DEC-2021 03-DEC-2021
NOP Change/Load Shifting	423	HT423-1/1,65/9 BLOCK S/S (O/D)	Refer Remarks	423-1/45	1000750 Pending for Revoke Temporary PSC 01-DEC-2021 02-DEC-2021

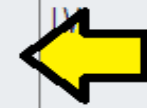
Smart Meter

Ping Meter Option

Verification of Smart Meter
connected Consumers

Network updation turnaround time
reduced from 3 days to 15 mins

LV Calls:55 SP_C:368 SP_E:4 Streetlight - CSL:62 MV C				
S.No.	Take Action	Ping Meter	Skill	Zone
1			Streetlight - ZSL	503
2			LV	503
3			LV	521



Benefits to Stakeholders

Consumer

- Faster restoration of service
- Transparency in service

Employee

- Faster decision making
- Route optimization

Organization

- Asset management
- BD opportunity for other Utility

Safety

- Confidence in operating Network

Recognition




Extracts
from the Register
of Copyrights



Dated : 22/07/2021

1. Registration Number	: L-105679/2021
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4. Class and description of the work	: LITERARY/ DRAMATIC WORK
5. Title of the work	: PROCESS INNOVATION OF CONTROL ROOM
6. Language of the work	: ENGLISH
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8. Whether the work is published or unpublished	: UNPUBLISHED
9. Year and country of first publication and name, address and nationality of the publisher	: N.A.
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14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	: N.A.
15. If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	: N.A.
16. If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000 whether it has been applied to an article through an industrial process and, if yes, the number of times it is registered.	: N.A.
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Thank You

For discussions/suggestions/queries email: nishant.singh2@tatapower-ddl.com