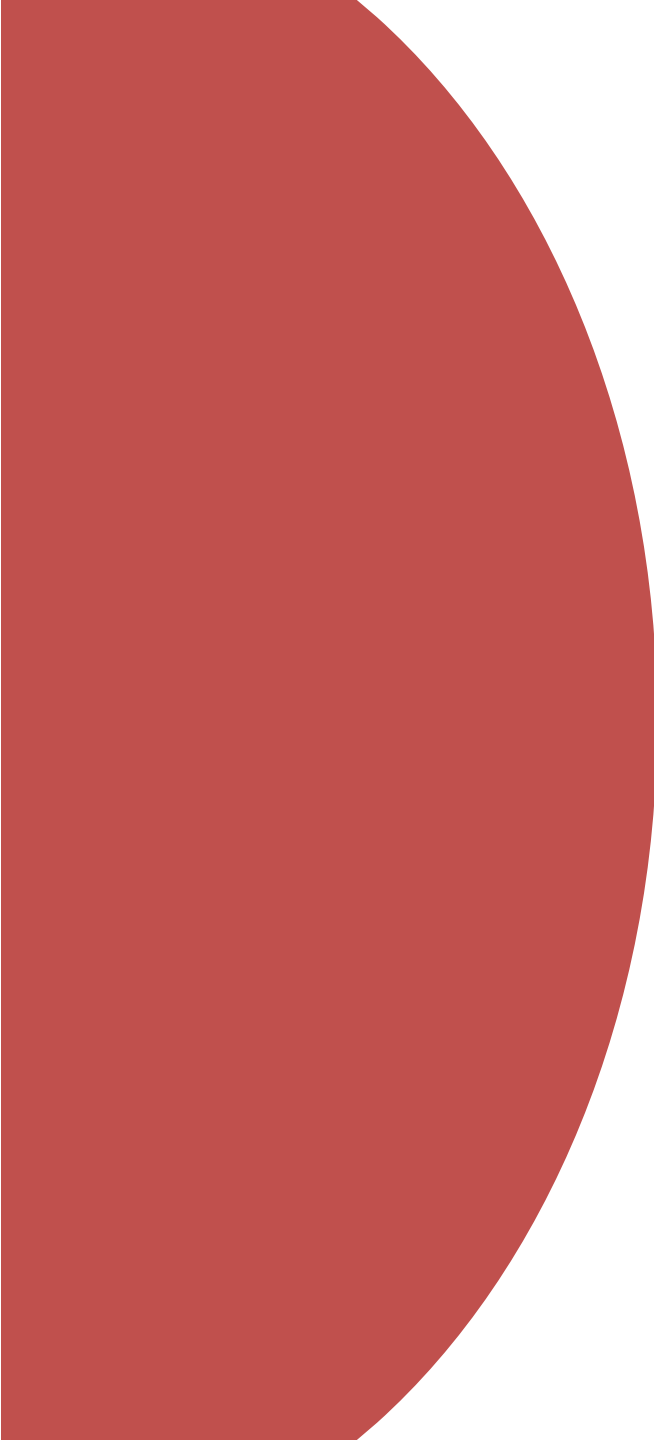


SESSION 4

NHIMS



**VIVEK
CHITALE**



National Hydrocarbons Infrastructure Monitoring System (NHIMS)

<https://nhims.gov.in>

Initiative of PNGRB



Objectives of NHIMS

Secure framework for data collection, processing and analysis.

Real-time Data from Entities through API Integration.

Infrastructure Mapping (Refineries, Petroleum & Natural Gas Pipelines, LNG Terminals / Stations, PP Storage, LPG Bottling Plants, RO/CNG/ CBG Stations, etc.)

Integration with Administrative (State, District), Roads, Railway Lines, Forests, Water Bodies & HRSI for Holistic View

Bulletin Board, Dashboard, Reports, Queries, Thematic Maps, Charts, Data analytics.

Salient features of NHIMS

GIS functionalities
Distance / Area
calculations, GA
Boundaries, Left over &
over lapping areas, filters

Mobile Apps for
Geo-Tagging & Inspection
of UC Pipelines.

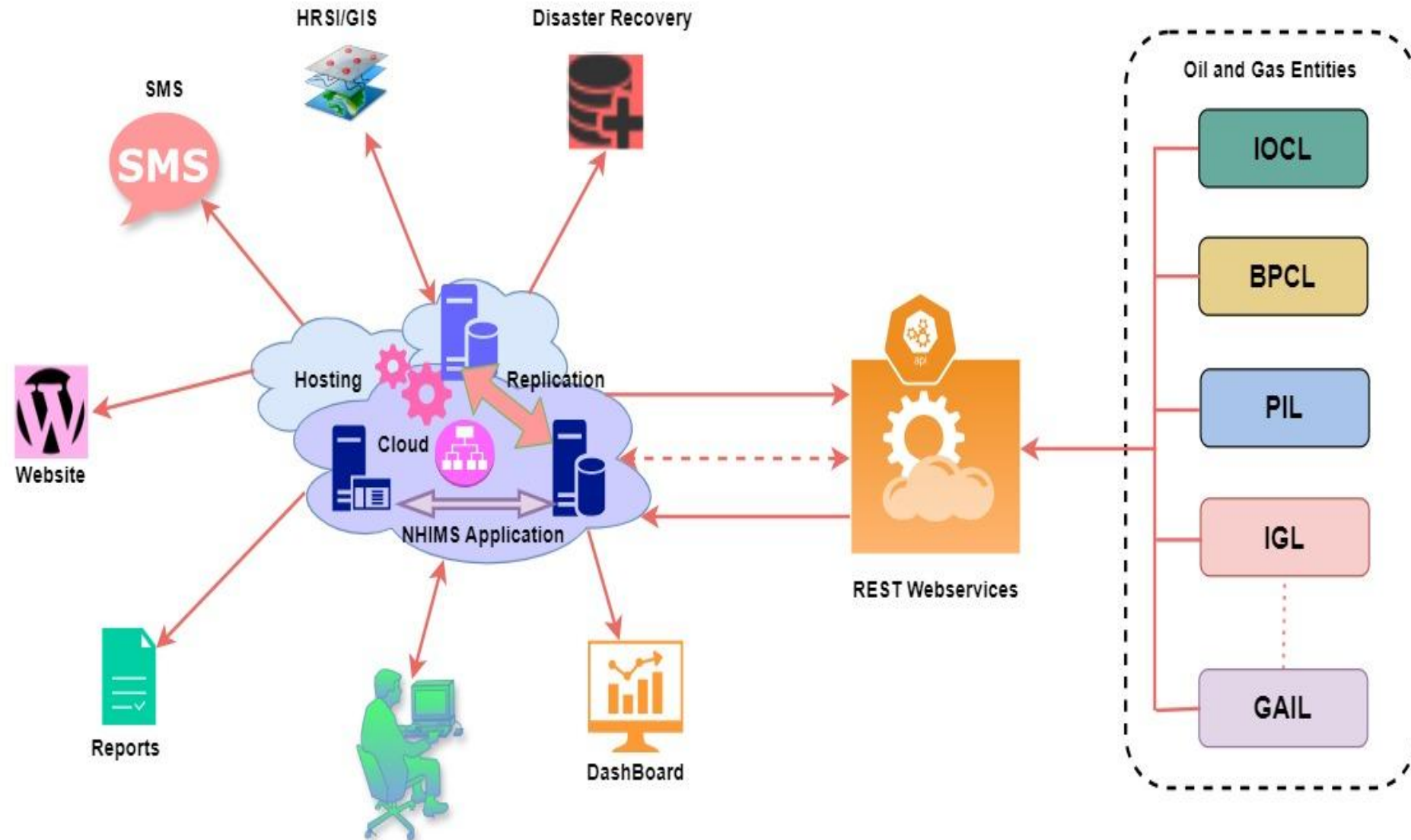
Hosting on National Govt.
Cloud (Meghraj 2.0)

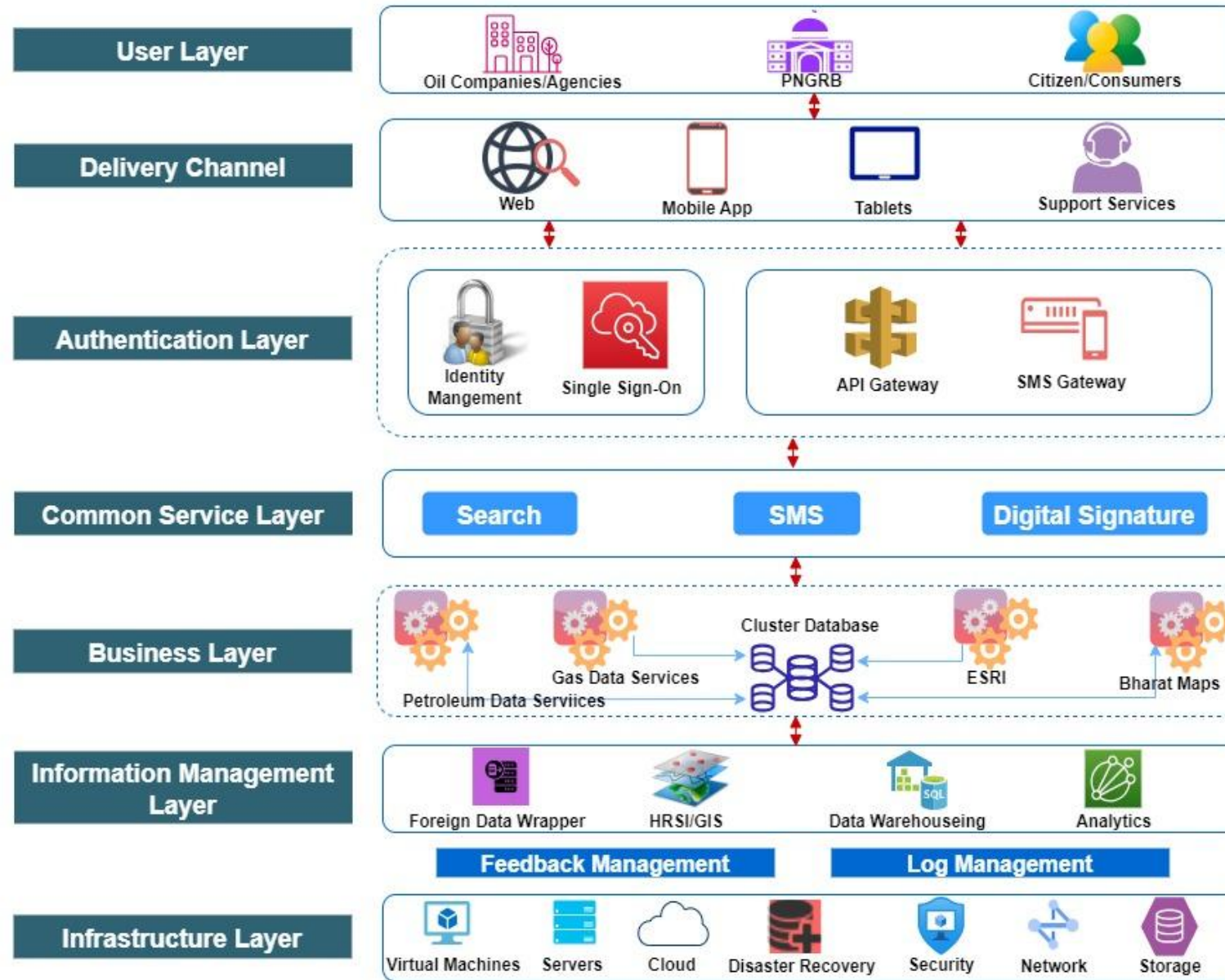
NIC, Meity, GoI is
Technology Partner

Compliance with Security
Guidelines

SMS Gateway integration
TRAI Exempted category
for SMS

NHIMS Application Architecture Diagram





Bulletin Board

Pipeline, Entry (Source) Locations

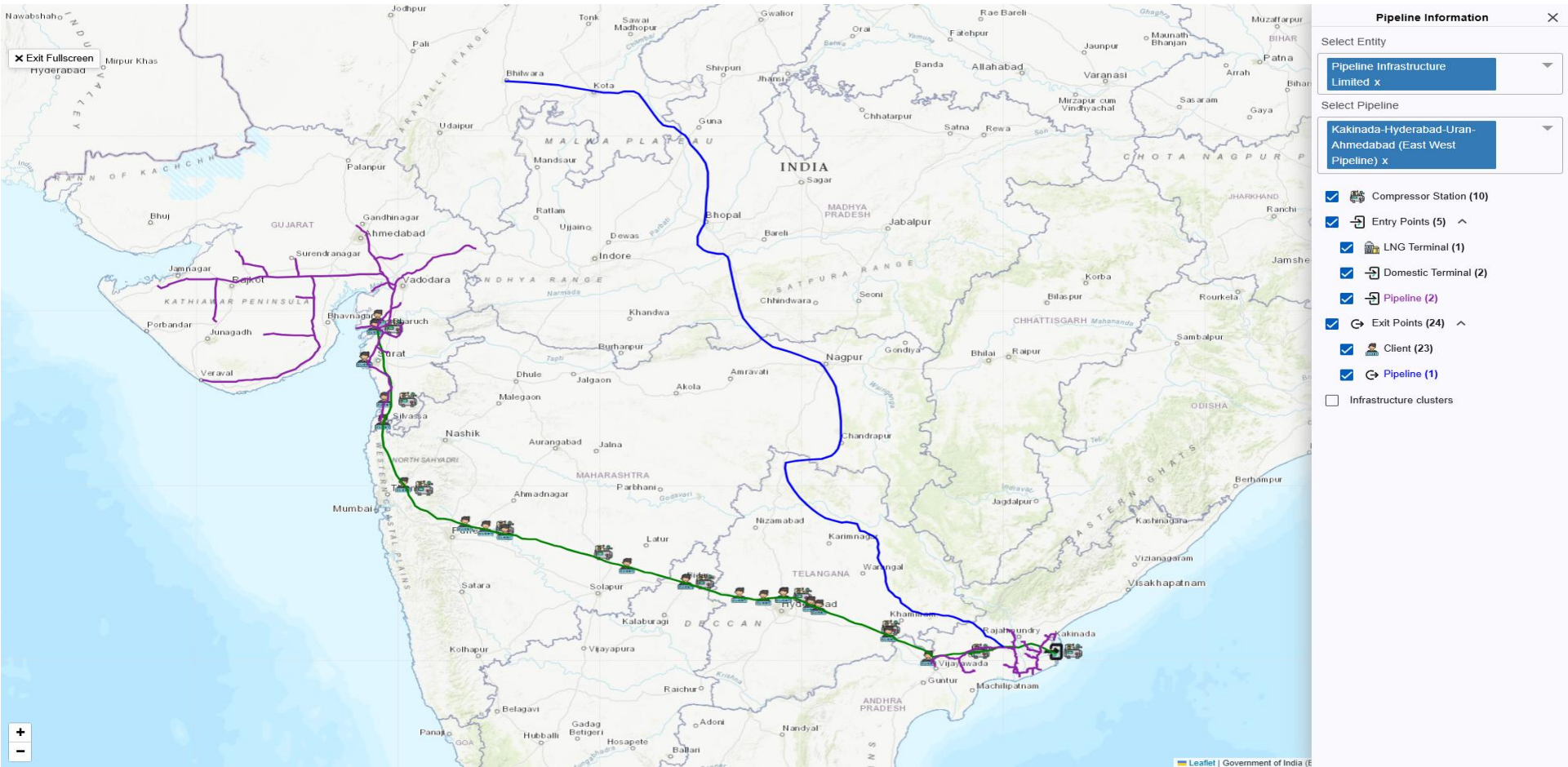
Exit / Delivery Client, Compressor /
Pumping Stations.

Daily Operational Data
(Capacity in, Capacity Out / Delivered)

Gas Chromatography (Temp., Pressure,
GCV, Methane, Ethane, Sulphur etc.)

Visual Product movement, Capacity
Utilization, Reports

Bulletin Board - East-West Pipeline



Thank you

Feedback & Comments to :

nhims.support@pngrb.gov.in