Problem Statement: Asset inspection

TSNPDCL (Telangana)

At present, the health condition of the major equipments like PTRs and CBs in 33/11kV Substations are analysed by DISCOM officials during the scheduled inspection which happens fortnightly through thermal imagery by visiting the substation physically at a 15-day interval, due to inability in carrying out live monitoring of the equipment. Therefore, DISCOM is interested in identifying and analysing the health condition of the major equipment like PTRs, CBs in 33/11kV Substations through AI/ML solution via Drone based asset inspection. For the above points, past 1 year data is available in the form of thermal images and any other relevant information if required would be provided by DISCOM to arrive at a solution for the area mentioned in the problem. Discom is ready to implement the pilot project in the city of Warangal which can later be scaled up.

Problem Statement: Asset Inspection

UHBVNL (Haryana)

Currently, in UHBVNL, around 2 lakh smart meters are installed across the DISCOM. The DISCOM has established a dedicated Smart Meter Operation Center (SMOC) for smart meter output data to implement a few pilot studies in the areas of Billing, Tampering and Revenue areas. Further, DISCOM is interested to join National level program to expand its area of study such as to analyse equipment health through Asset Health Analytics and Other Value-added services using smart meter data. Load profile data for 15-minute time interval of smart meters is available for last 18 months. At present, Discom is interested to run the pilot project for 11,000 HT consumers in the smart meter divisions of Karnal, Panipat & Panchkula. UHBVNL further plans to scale the pilot projects to 1.7 lakh Smart Meter consumers covered across the Discom.