

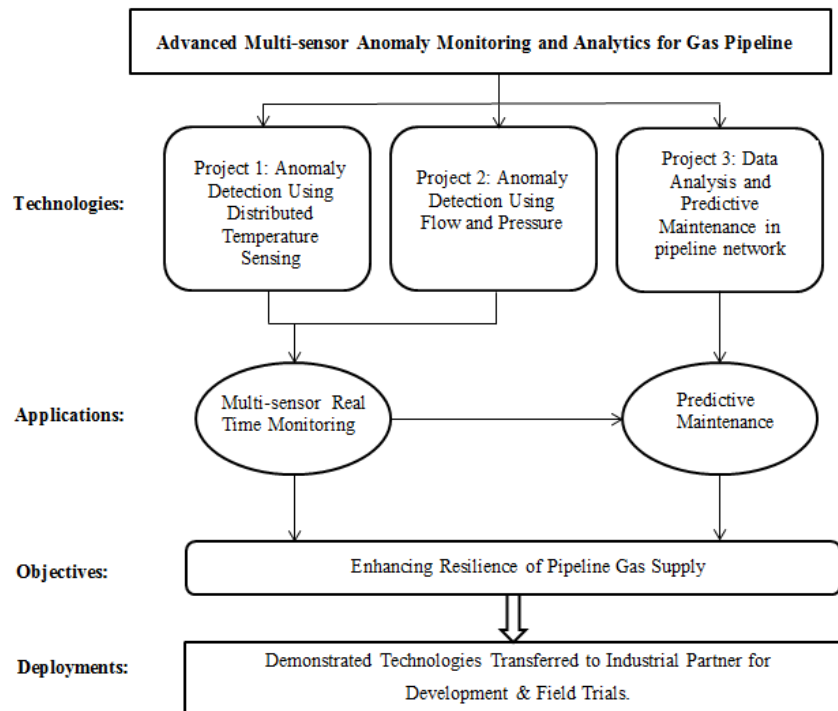
Advanced Multi-Sensor Anomaly Monitoring and Analytics for Gas Pipeline

Principal Investigator: Asst Prof Abhisek Ukil

The project is funded by Energy Market Authority (EMA), Singapore, under the Energy Innovation Research Technology – Gas Technology (Project Ref. NRF2014EWT-EIRP003)

The central theme of this project is to explore possible detection techniques for identifying, analysing and then locating anomalies (such as leakage, water ingress, deformation, etc.) of underground natural gas pipeline in Singapore, as well as perform advanced data analytics based predictive maintenance for the possible future failure-prone zones.

Field testing will be done at the real testrig provided by Singapore PowerGrid – Powergas (collaborator).



Flowchart of Advanced Multi-sensor Anomaly Monitoring and Analytics for Gas Pipeline