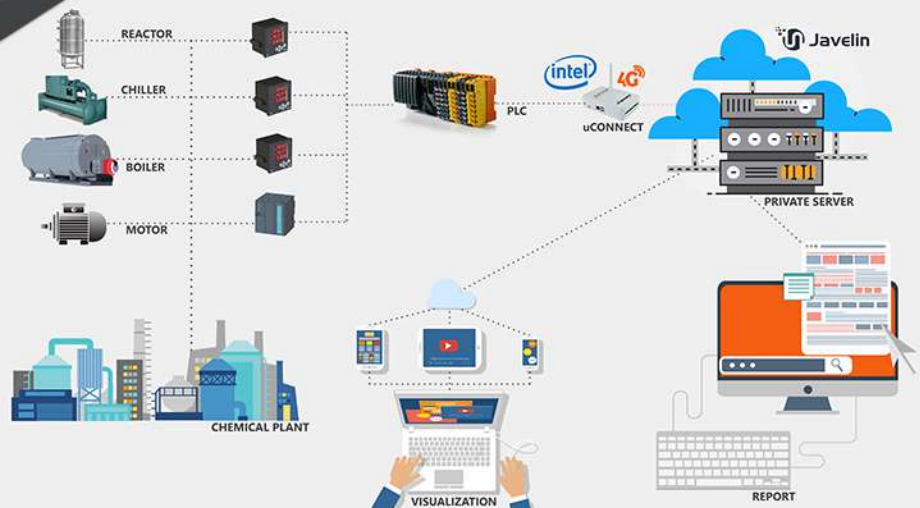# utthunga
Engineering Transformation

Case Study
IIoT / Industry 4.0

Energy Management Solution
for a global pharmaceutical major

CHALLENGE

- A large chemicals company was faced with sky rocketing electricity costs.

- Customer would be interested to know the energy consumption of each assets, hence energy consumption shall be optimized.

OUR SOLUTION

- Utthunga implemented it's IIoT platform, Javelin, to collect data from the various assets (reactors, boilers, chillers, motors, pumps, etc.)

- The components of Javelin deployed were uGateway (data acquisition and aggregation unit) and uViz (visualization and analytics)

- The data from drives was fetched using Modbus RTU, and from the other assets Utthunga deployed energy meters

- All the energy data was aggregated onto the Javelin platform that was deployed on - premise

BENEFITS

- Comprehensive energy consumption report of every asset was available for in-depth analysis.

- Even in idle state the assets were consuming energy because they weren't being turned off. These situations were detected and alerted, which resulted in dramatic energy savings.