

To create an analytic dashboard for monitoring and analyzing operating time, idle time, breakdown time and shutdown time of machines in HSL.

- a) **Problem statement:** To analyse and know the productivity and equipment health.
- b) **Background:** HSL has more no of cranes and machinery, these are all daily operated in the yard, and operating parameters data of each piece of equipment are really needed. To know the health status of the equipment such as ops/non-ops, power consumption, running parameters, breakdown, and preventive maintenance time of cranes, automobiles and machinery through centralised digital monitor systems like SCADA/ HMI. In the HSL yard all plants& machinery are operated at 440V AC Other than this diesel operated mobile equipment is also available.
- c) **Solution:** Using smart devices to identify the machinery working status with On-time and Off time, running time, idle time, breakdown time and shutdown time of machinery, cranes, and automobile, plate treatment plant.
- d) **Expected outcome:** to the productivity of the plant.
- e) **Conclusion:** improves the productivity rate and reduces the idle time.







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