A CNC Shopfloor with Dyna4cast:

A typical CNC shop floor has an environment of employees operating the machines, handling the materials, finished parts and a supervisor who maintains the record of the completed parts, quality reports, workforce indulged in shifts etc. This setup has a lot of Cons such as *no transparent work activity, manual records of the production process, no timely maintenance, a centralized decision making* etc.
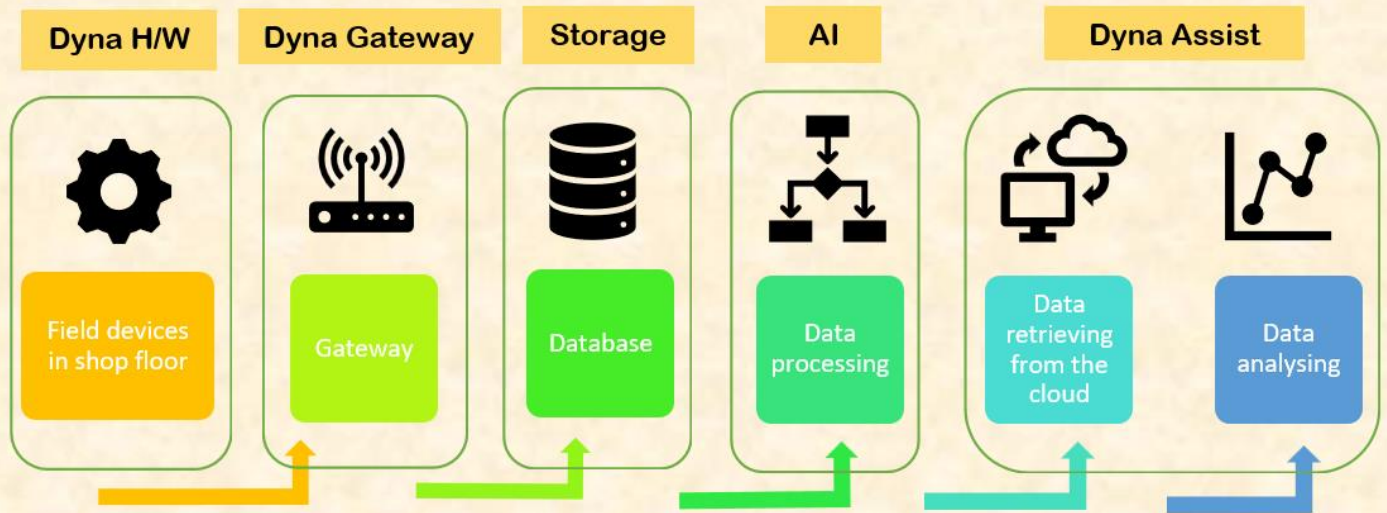
What if,

- The real time running status of the machines in the shop floor can be monitored on your palm sized smart phone,

- The employee's productivity can be tracked,

- All the data are digitally recorded and stored, which can further be used to compare & analyze business, productivity, and project planning etc.,

- The shop floor become decentralized in decision making.

Yes! at Dyna4Cast we make it possible. With AIoT (*i.e., combination of Artificial intelligence and Internet of things*) we help industries to attain a flawless productive environment and a transparent shop floor system.

Also, with a prior notification of the machine wear, run time status by our AI model industries can prevent their downtime. By continuous monitoring quality rejections are reduced and a timely action in critical situations can be taken in advance, which prevents costly failures.

Our *Dyna hardware* such as (i). Sanctance, (ii). Xintel, (iii). HMI's which will monitor the machine and transmit data such as:

- Temperature,
- OEE,
- Machine status (Run, Idle, Breakdown)
- Employee access details
- Employee productive hours etc., via *Dyna Gateway*.

These data will be stored in a database that can either be a cloud server or an In-house server. *On point, these are digitally recorded data without human intervention, which leads to a transparent product cycle*. AI will group the data and will do the necessary operations requested by the user via our user interface *Dyna Assist*.

The service what Dyna4cast provide is not limited to the above-described features and also includes, Auto suggestions of our BI model which can assist you during critical decision making, predictive maintenance, Payroll management, Supply chain Tracking etc., (i.e., from a raw material to a dispatched product) we support your production and take your business to the next level.