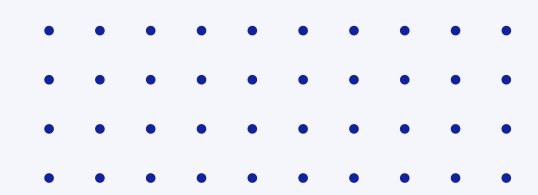


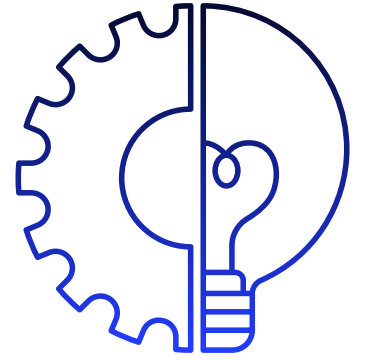
# Team GAMMA

PRODUCTIVITY





## Problems



**01**

Time Reduction by Pipelining concept

**03**

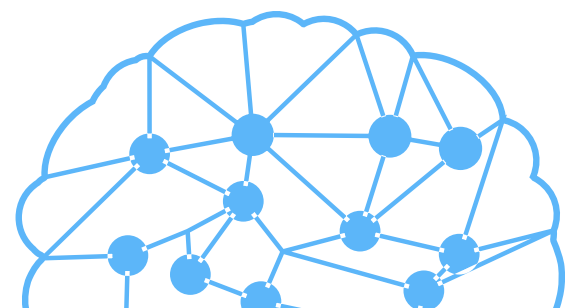
Making Data Tracking more powerful.

**02**

Introducing Automatic nozzels

**04**

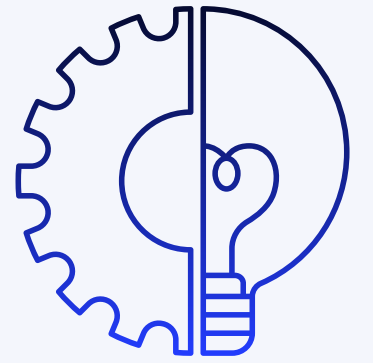
Motivations and increase worker efficiency



# Solutions

## Time Reduction by Pipelining Concept

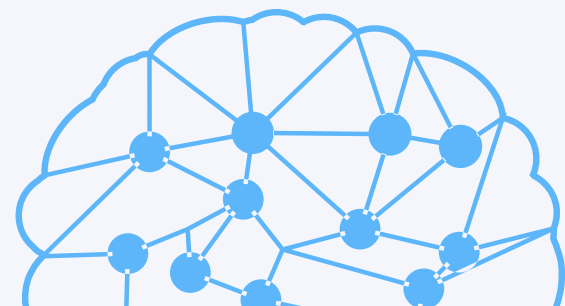
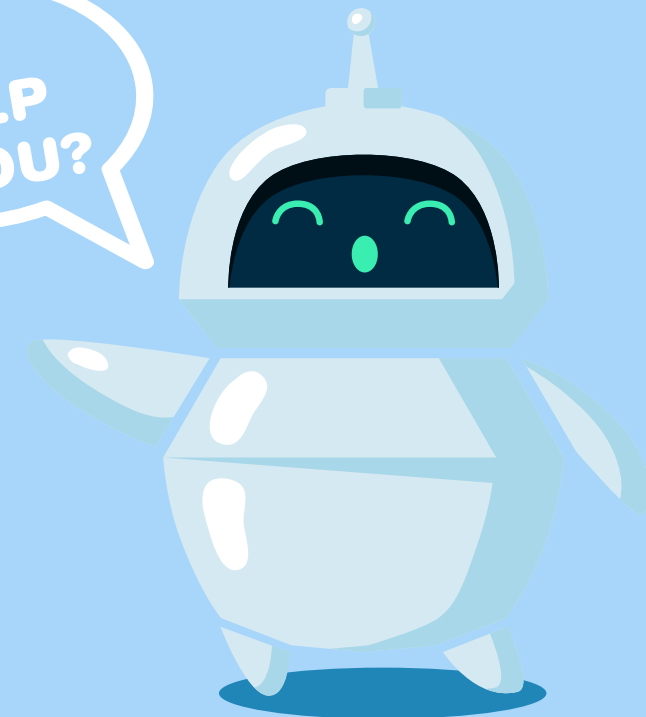
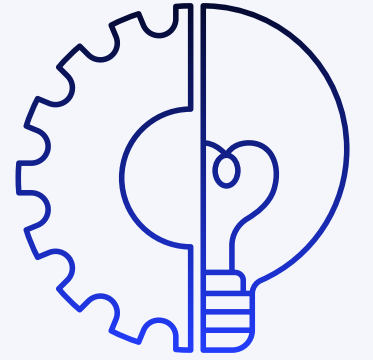
- We have one machine in security solutions plant which was handling one sheet at one time and then it was going for punching purpose till the time it was getting punched the delay time of machine was increasing so we can make one more handle which already kept the sheet ready we can say pre scanned and ready to punch like 8086 microprocessor.
- This concept came from pipelining concept introduced by Intel for 8086 microprocessor so it basically execute the instructions and keep last instructions ready for execution.



# Solutions

## Introducing Automatic nozzels

- For powdering we kept one man which manually spray with handle so instead of this we can introduce one automatic 4 nozzles spray which change dimensions according to size of sheet and spary the cornor accordingly.

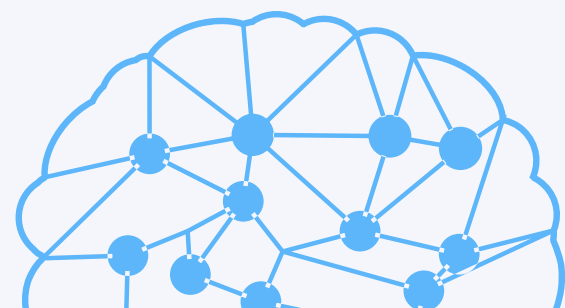
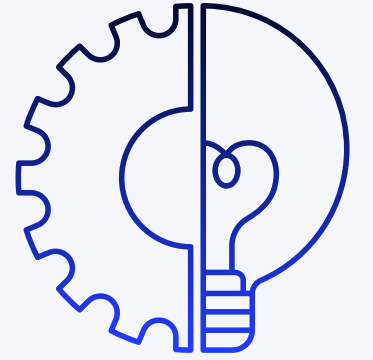


# Solutions

## Data Tracking and Machine Health Monitoring

- For data tracking, the ERP(Enterprise Resource Planing ) will help or make a major difference. It basically deals with planning and the use of resources. ERP is designed such that it provides a single and centralised platform for all the company's data. ERP gives all the parameters of production but they compare and predict manually which takes a lot of time.

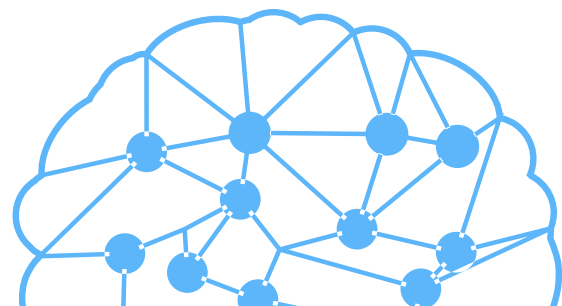
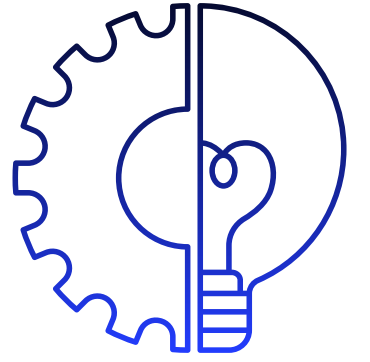
Using AI and ML concepts in ERP Software can make a big difference in areas like inventory optimization, quality control, report generation, and more.

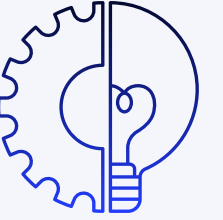


# Solutions

## Financial and Non-financial Motivations

- Appreciation, Recognition and credits.
- Team Work
- Incentives, Bonus, Payment for overtimings, allowances and facilities.
- Friendly Environment





**Thank You**

