



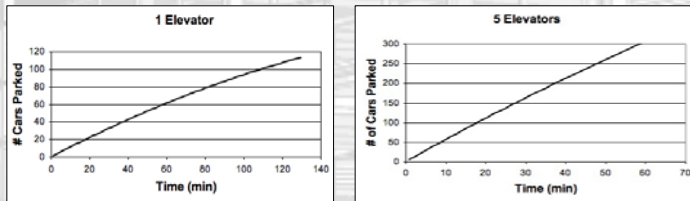
IPRO 315: Mechanical Engineering Group



Illinois Institute of Technology

Logistics

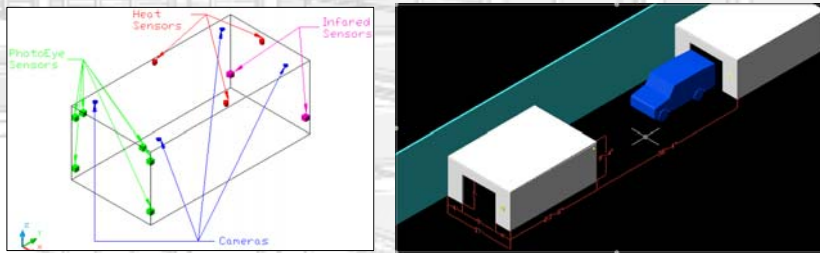
of Cars Parked vs. Time



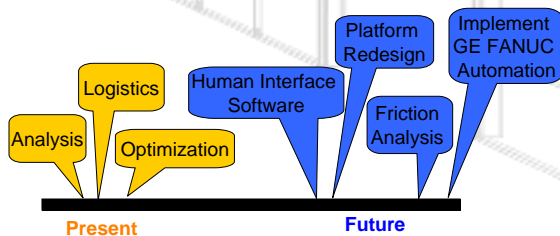
40 sec < Time to Park a Car < 1 min 27 sec

Time to Fill up Garage: 2 hr 10 min

Sensors



Timeline



The Team



Aron Varhegyi, Senior ME



Brian Brady, Sophomore AE



Greg Herbert, Sophomore ME



Paul Butkovich, Junior ME

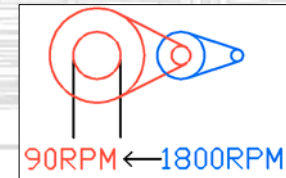
Engine / Gearbox Selection



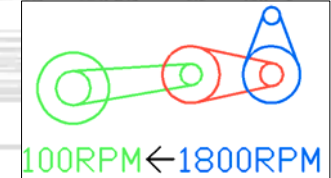
High Torque GE Motors

- Vertical: 2 motors 75 HP
- Horizontal: 2 motors 100 HP
- Reduced est. cost by 1751%

Vertical Gearbox



Horizontal Gearbox



SAP 2000 Analysis

