

# Industrial Process Development

▶ Pulse meeting 1





# Agenda 2018-04-05

## **Course info**

Groups, projects/companies

## **Pulse meeting**

-4 minutes/group

## **Lecture**

Ergonomics



# Groups and projects

1: Volvo: 5S

2: GKN (Hane/Byary/Sadllah)

3: Alfa Laval

4: Volvo: Time studies

5: GKN (Ekstedt/Johansson/Ahmed/Fleismark)

6: Volvo: Positioning of colborative robot

7: GKN (Källgård/Ganta/Gojkovic/Mattsson)

8: GKN (Jwala/Köhl/Gómez Carreno/Lindh)



# Pulse meetings

- Fast status reports: 5 minutes/group
- Four criteria:
  - Deliverables (Different for each stage)
  - Cooperation within the group
  - Cooperation with the company
  - Progress of the report
- Red/Yellow/Green
- Supervision only if needed



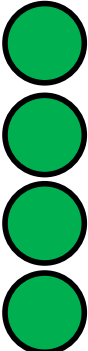
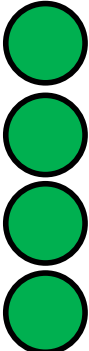


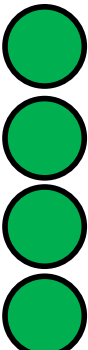
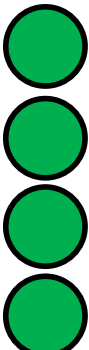


# **P1: Pre-study plan and deliveries**

## **Project specification**

- Description of the problem and formulation of objectives
- Project organization
- Time plan and plan of deliveries
- Delimitations

## **Company description**

## **Expected results**

<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>	
<b>5</b>		<b>6</b>		<b>7</b>		<b>8</b>	

1. Deliverables
2. Cooperation within the group
3. Cooperation with the company
4. The report



# ... what's next?

## **Deliverables for P2**

- ✓ **Process description and products**
  - ✓ Includes an overview of the production process:
    - ✓ Mapping of the process
    - ✓ Layout
    - ✓ Equipment
    - ✓ Material handling and logistics
    - ✓ Information – planning and control of process
    - ✓ Maintenance
  
- ✓ **Capacity and organization**
  - ✓ The capacity of the production system is analyzed:
    - ✓ Working hours
    - ✓ Number of employees and organization
    - ✓ Delivery capability and delivery reliability
    - ✓ Production volume and volume variations



**Next:**

**Lecture: Production ergonomics**