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Projektorganisation

The train solution

Torslanda

Olofström

Gent/Tower

Container in a Closed Loop.
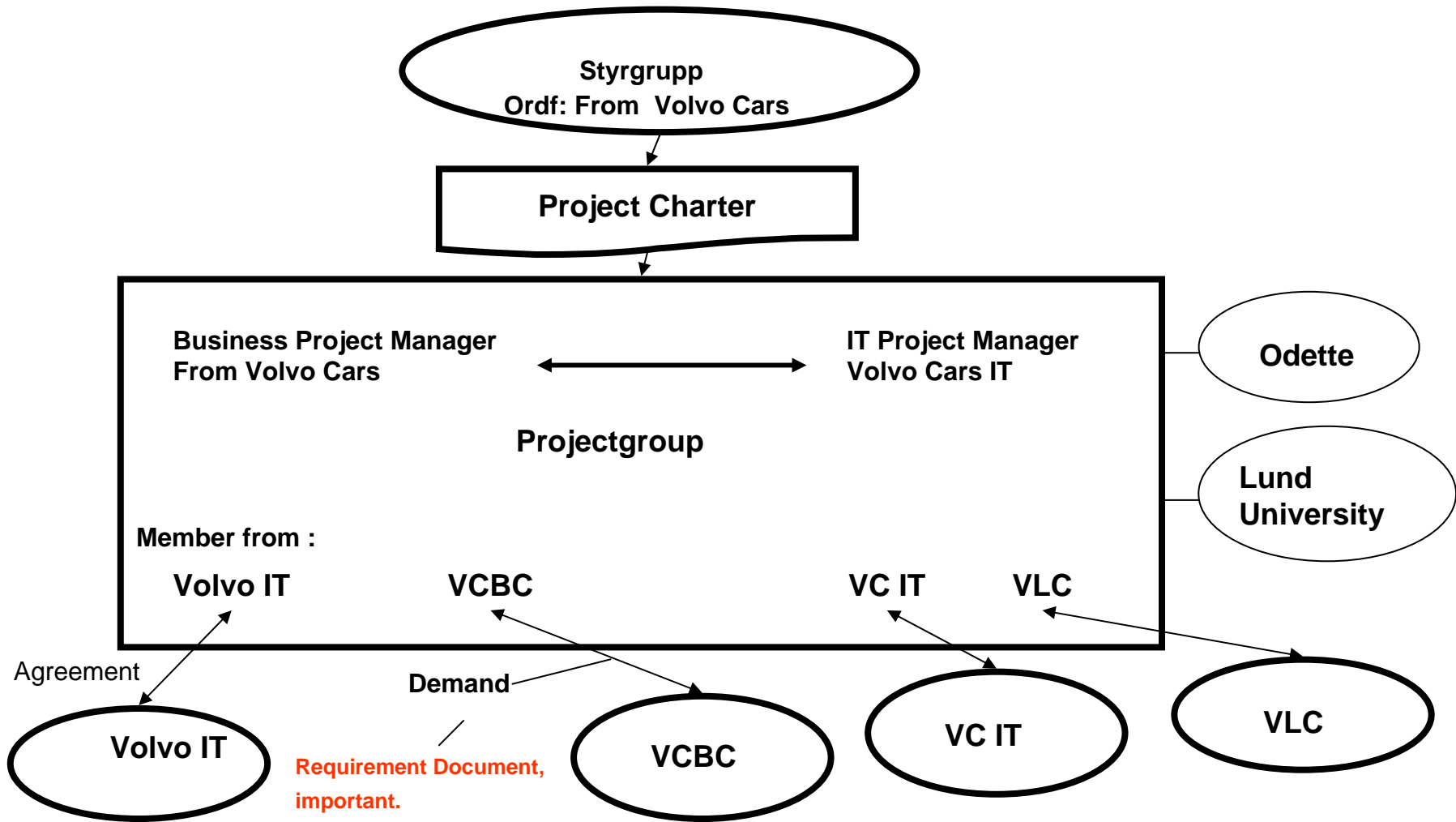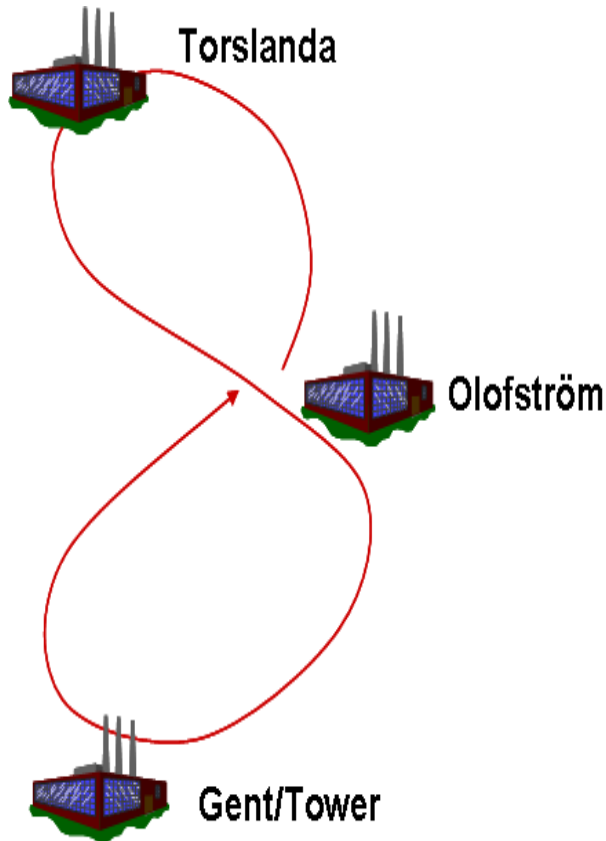
- The train solution that provides VCT, VCG and Tower with parts is the well known "tåg åttan". Here we will focus on Olofström, and go through the steps from the train arriving to train leaving.
    - Reporting the arriving train
    - Storing rack in container on the yard
    - Ordering of rack to production
    - Emptying/filling containers
    - Loading container on train reporting
    - Creating transport document
- We also look at possibilities in VCT VCG and Tower

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The Arrival of a train

- All arrived containers are reported
  - System connected to "emballage flödes systemet", exception tower. (reg 1)

Storage facility

- ## The containers with empty and full racks are stored in the yard.

  - The production call for the rack that is needed, limiting the number for rack in production. With the emabllage flödes system tracking the container implies tracking the rack. VCT and VCG uses the container in a similar way. Normal storage 500 container VV and 150 vs

Ordering racks

- Production order racks and "rack flödes systemet" is shown

Emptying/filling containers

Emptying containers are done either on the yard or in a container gate. All container numbers are reported

- Emptying on yard requires manual reporting in (rack flödes systemet)

- Emptying/filling in container gate (3VV, 4VS, 2 G) and one loader, (Reg. 2)

Loading the train

- When all containers are loaded on to the train, the container drivers pass the train writing down wagon and container number (Reg 3)
- On a daily basis are 300 containers loaded and 300 are unloaded in Olofström

Creating transport documents

- The finished list is given to the personnel that creates transport documents. Who registers the container number. (Reg 4)

RFID on containers

The goal is to

- ~2500 correct container a day
- a possibility to follow the flow of racks
- a rational and quality assured process

Facts 1

300 containers is arriving and 300 are leaving Olofström on a daily basis,

  One loop is four readings, 1200 registrations in Olofström alone.

The RFID tag will follow the Odette standard.

Opportunities 1 /Facts 2

Once the Technique is in, it is scaleable,

    Rack

    Train wagons

    VCT, VCG and Tower

Opportunities 2

In addition to the shown gains in Olofström " 20 feet containers" will start rationalization work in VCT, VCG, Tower and VLE.

Ex. train arriving in Gent is first received as a whole train. Then each container is manually reported.

Ex. VCT is currently registrating the container five times in each loop.

Conclusions

Adding RFID on the Containers is the correct manner to start working with a "new" technology, in a small, secure and scalable way

- Large effects,

- Relatively small investment

- A complete flow, gives instant payback

If you want to see an example how to use RFid technology to keep track of logistic movements and get measurements.
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