5 Principles of lean Management at Alap Europe Ltd.

- Value
- The value stream
- Flow
- Pull
- Perfection

The used principles of LEAN at Alap Europe Ltd.

Value = the customer pays for it

Deficit = All activity and using resources what do not add value to the customer

The servicing activity was reviewed for value adding, what give value to the customer?
Reducing deficit:
- accurate plan of work- and inspection instructions, reviewing operation instruction, to define pictures, limit samples.
- Standardized work processes and layout of work places
- Training of work process, control of the job
- Developed computer software system, effective data computing
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The Value Stream

Estimate:	Preparation of the jobs	Rework, quality inspection	Reporting, generating of quality report	Closing job, account for results
Value added, important for the customer		X	X	
Needed, but do not add value	X			X

Flow

In the rework, quality inspection is needed a minimal internal stock.
The largest stock is a delivery lot.
The reworked, inspected parts are fast transported to the customer, there isn't an internal storage.

Pull

Storage place of the incoming parts	Production place of Alap Europa Ltd.	Storage place of the reworked, inspected parts

The incoming place is continuously watched, and the parts will be reworked / inspected in 24 hours.
The ready reworked / inspected parts are given in short time to the customer to fast delivery.
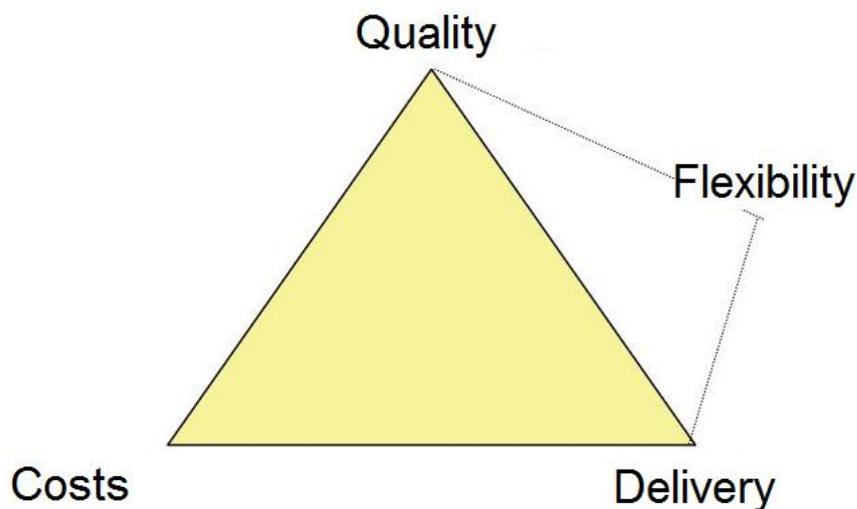
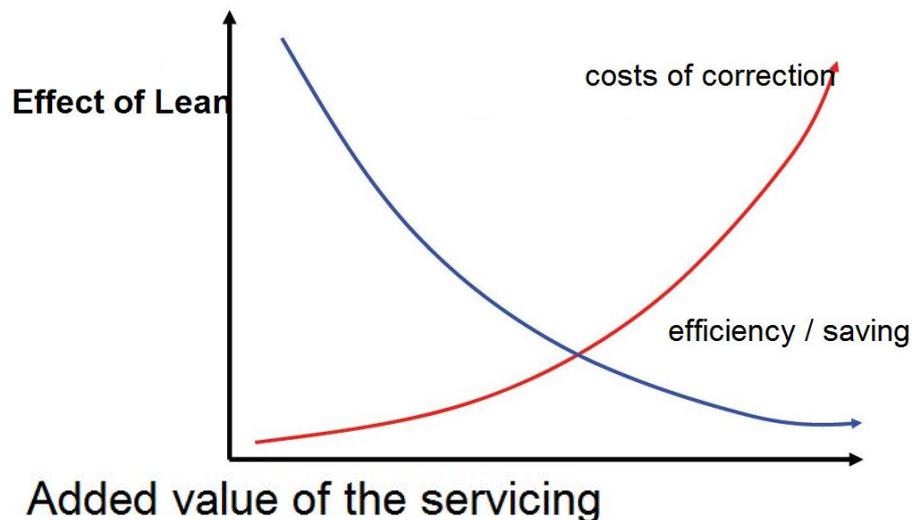# Strive for perfection by continually improvement

We improve continually our work processes and tools.
We ask always the proposal, ideas of our colleagues, we verify them. If they are usable, we implement them.
If necessary we realize larger investments:
- To install new workplaces, improve the cleanliness of working area
- Reconstruction of the electric lightning of the working area
- Installing of air conditioner to ensure the correct temperature
- Order and approve a service van with mobile 3 air conditioned workplaces to get a short reaction time if the customer has a shortage of rework places

The effects of the lean manufacturing

Effect of Lean

costs of correction

efficiency / saving

Added value of the servicing

Quality

Flexibility

Costs

Delivery

Customer satisfaction