

# Project: „30 - foot tarpaulin container”

- Technology Transfer Facilitator: **Wolfgang Schabereiter**
- Company name: **Montanspeditions GmbH**
- Name of Transferinstitute: **Transsystems**

# Description of the company:

**Target sector:** transport of goods in the bimodal traffic

**Size of the company:** 30 people

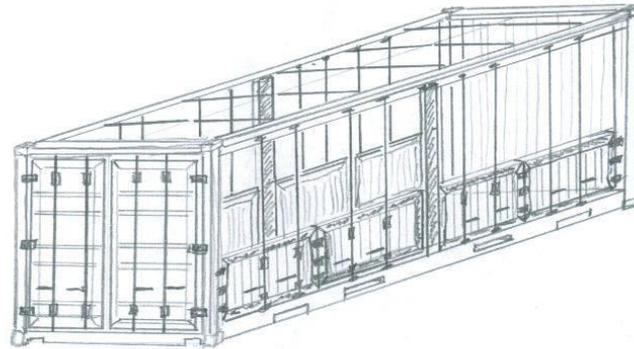
**Location:** Kapfenberg/Styria

**Founded:** 1973



# Content of the Technology Transfer Project

development of a 30-foot tarpaulin container



# Criteria for the container

- Weight saving - construction and material
- Functional design - flexibility

# Weight saving - construction and material

The average weight of a multifunctional 30-foot container is between 3,800 - 4,500 kg - while about 75 % of the empty weight is allotted to the platform and frame structure and about 25 % on the cover (walls, doors, shutters and roofing).

The target weight for the new 30-foot-tarpaulin-container should not exceed 3,500 kg!

# Weight saving - construction and material

- The factor of weight loss plays a major role!
- Less weight of transport means a more for transport capacity. Therefore the costs for transport increased significantly.
- Thus the savings for MONTAN SpeditionsgesmbH through weight reduction is for 100 kg 318.00 EUR - per container per year. The life of a 30-foot container is, dependent on several factors such as its area of operation, at about 10-15 years. This results in a whole, with only 100 kg weight reduction you save EUR 3,180.00 up to EUR 4,770.00 for a container lifetime. If you consider that more than 1,000 containers from MONTAN are currently in circulation, this is of course a huge economic advantage.

# Functional design - flexibility

- The optimal loading and unloading of containers from the customer's perspective is an important decision criterion in the selection of the logistics partner.
- Flexibility here means that the best possible loading and unloading with common devices (such as fork lift) must be guaranteed.
- It is necessary to be able to load and unload the means of transport on several points (from the side, from behind, from above).



# 30-foot tarpaulin container



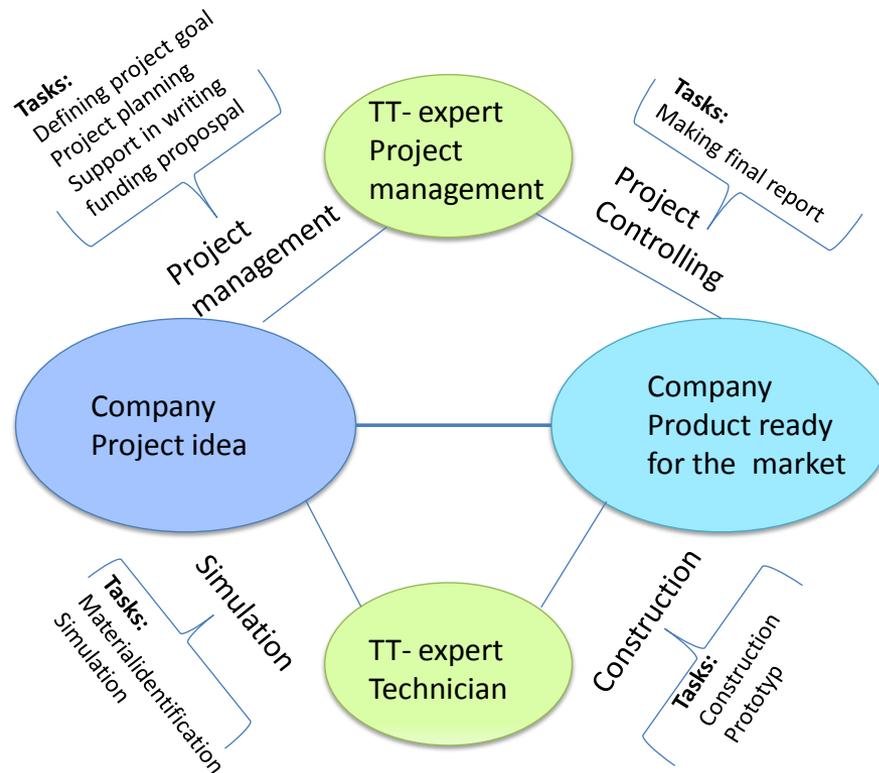
**Container, d.o.o.**  
Bežigrajska cesta 6  
3000 Celje  
Slovenija

# Customer benefits

The greatest benefit for customers is primarily the design of the 30-foot tarpaulin-container. Through flexible and ample loading and unloading potential of that type of container there are ***easier logistics processes for customers*** than before, which also brings an enormous time saver.

Further benefit for customers is on the ***economic level***. Because of the flexibility unloaded drives can largely be prevented, resulting in a significantly more attractive prices for customers.

# Technology Transfer Project



# Technology Transfer Project-simulation



Simulation is especially well in the product development process a brilliant way to carry out an efficient product.

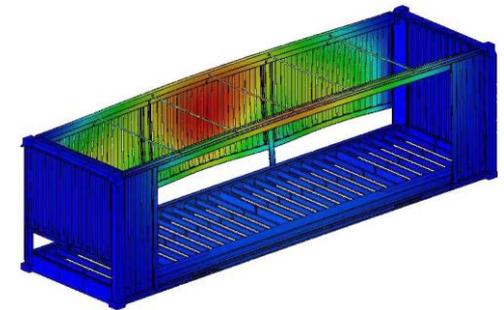


Benefits are:

- Better visualization for developers and customers
- Review of product functionality already during development
- Flexible product development through simple change management and easy variant calculations
- Reduction of product defects and recalls, unintended interactions between components can be early detected
- Shorter development time, more cost-effective, high quality weight optimization
- consideration of components of high complexity in total system

## *Cost savings via simulations*

- time for development: ca. - 25%
- costs for development: ca. - 30%
- prototype quantity: ca. - 70%



# Technology Transfer Project- project management



- Writing proposal in the frame of the „Geistes!Blitz“ program of the SFG
- in order to do that planning of the project (time frame, working packages- not costs)
- Supporting the company in the contracting phase
- Supporting the company in making the reports



# Thank you for your attention!

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