

# Personnel hoists on tower cranes — current and future thinking





## EFFICIENCY

### Actual situation:

The crane is THE bottleneck at the construction site →

**When the crane is out of service, construction site stagnates, too.**

### Problem:

Time-consuming and costly

### Result:

The efficiency on the site decreases

## HEALTH / SECURITY



### Actual situation:

several  
weather

Crane operator has to climb  
enormous heights on foot  
times a day and in all  
conditions

### Problem:

- Physical stress
- Extremely difficult conditions for crane operators with Handicap
- Risk increases with rising age of the crane operator

### Result:

Days absent caused by illness  
→ stagnancy on the construction  
site



## EMERGENCY RECOVERY

### Actual situation:

Crane operator is in an emergency situation and needs help

### Problem:

- Poor access for emergency personnel
- Extremely time-consuming recovery

### Result:

Request of a rescue helicopter is often unavoidable  
→ Consideration of wind conditions  
→ very costly



## REGULATIONS

### Actual situation:

A crane operator hoist is already required in the following countries: Sweden, the Netherlands and France

### Problem:

In case of a control the construction site is shut down if there is no crane operator hoist

→ Because of the previously mentioned problems a provision in other countries is foreseeable

... Loss of efficiency on the construction site, more frequent sickness absence days of the crane operator, time-consuming and costly rescue in an emergency ...



For all these problems there is ONE solution:

The **CRANE OPERATOR HOIST**

# Crane operator hoist GEDA 2 PK in use





# Crane operator hoist GEDA 2 PK in use



# Crane operator hoist GEDA 2 PK in use



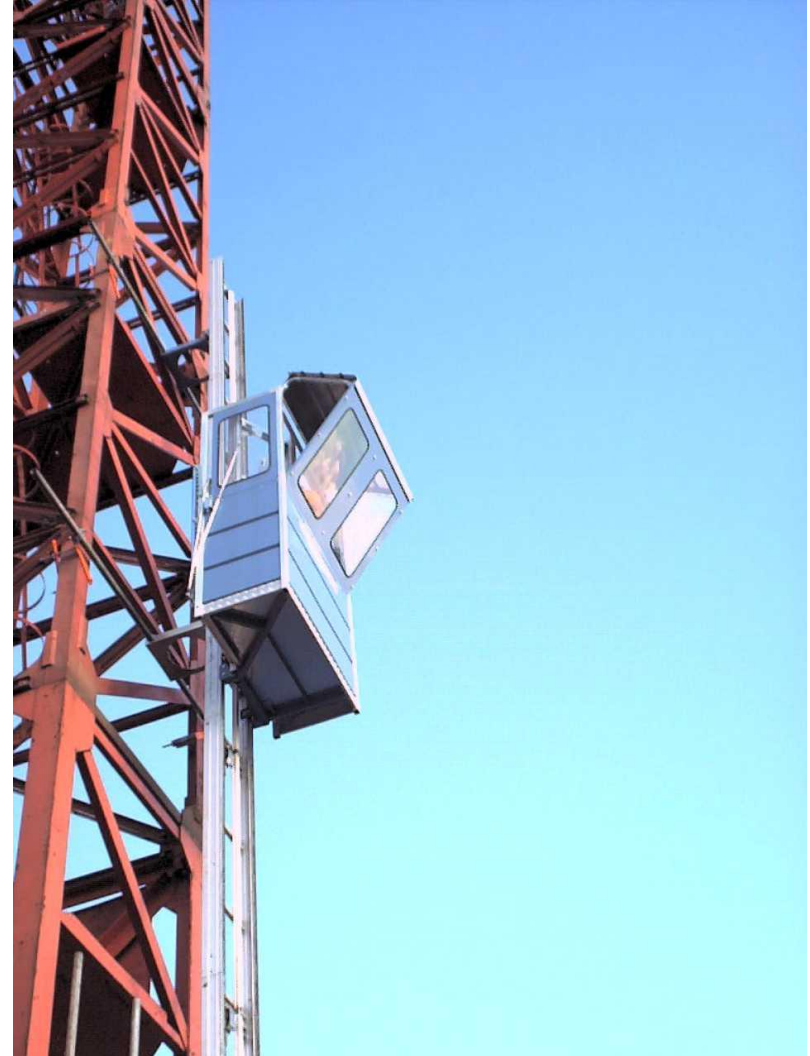
# Crane operator hoist GEDA 2 PK in use



# Crane operator hoist GEDA 2 PK in use



# Crane operator hoist GEDA 2 PK in use



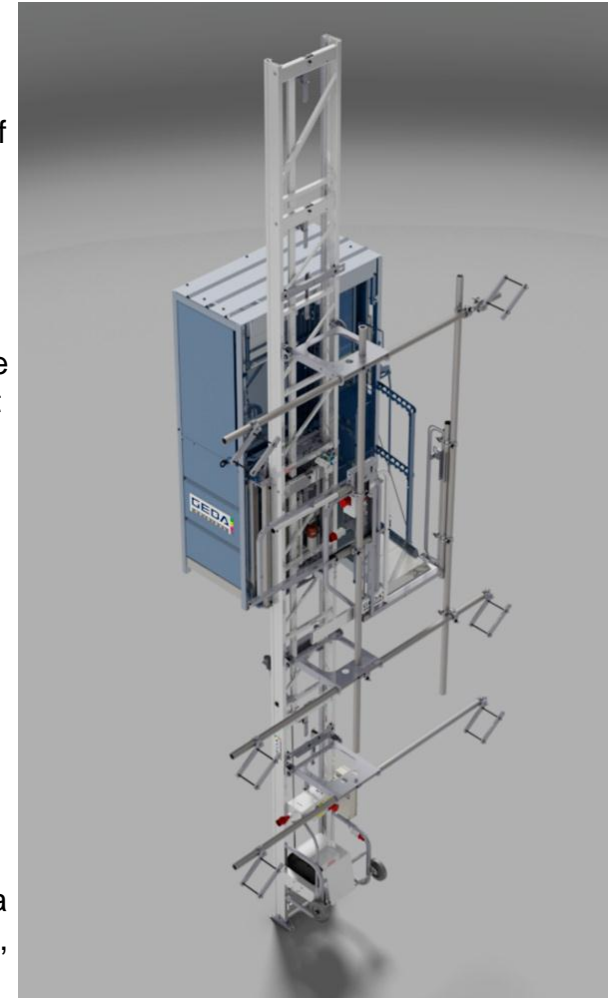


The GEDA 2 PK is a **rack and pinion** hoist with aluminium ladder segments. Its **flexible system** allows for the hoist to be installed to **any kind of crane** up to a standard height of 120m (higher heights on request). This makes it a **safe and quick** transport system for crane conductors and maintenance **personnel and materials**.

Its **overspeed safety brake** guarantees safe transport. **Electrical safety devices** prevent faulty operation.

You can control the hoist from the **control board in the car**. (option: control to be changed to the outside or to the car). When the car is opened, a small ramp with lateral protection will open, too, forming a **safe transition** to the car together with the **access enclosure**.

In order to put on the mast segments, the roof has to be opened. The **lightweight ladder segments** can be easily installed in a safe way. These are connected without bolts, with the help of a **patented quick lock** system.





## Technical data:

<b>Load bearing capacity</b>	200 kg / 2 Persons
<b>Lifting height</b>	120 m
<b>Electrical power supply</b>	1,5 kW/400V/50 Hz
<b>Lifting speed</b>	24 m/min.



Thank you very much  
for your attention!





- **GEDA-Dechentreiter GmbH & Co.KG** was founded **1929** by Georg Dechentreiter sen.
- GEDA is a leading manufacturer in the construction industry for access equipment worldwide
- The company's headquarters is located in **Asbach-Bäumenheim**
- Since 1995 **Johann Sailer** is the managing director and since 1999 shareholder
- GEDA currently has about **350 permanent employees**

- The wide product range is divided in four fields:
  - **TEMPORARY INSTALLATIONS**
  - **PERMANENT INSTALLATIONS**
  - **SPECIAL PRODUCTS**
  - **SERVICE**
- Wide product range: from small 60 kg rope hoists for the craftsman to 3.2 t person hoists with lifting heights up to 400 m
- Thanks to international distribution channels GEDA products were sold to 80 different countries around the world
- As an innovative hoist manufacturer GEDA is of course member in the German Engineering Federation (VDMA) and also member in the European Association CECE (Committee for European Construction Equipment)

