## DIPLOMA THESIS
### Documentation

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<table>
<thead>
<tr>
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<th>Fabio FORTE</th>
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<tbody>
<tr>
<td>Form</td>
<td>5AHMIM</td>
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<tr>
<td>Academic year</td>
<td>2011/12</td>
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<tr>
<td>Topic</td>
<td>pipe lift construction with a telescope holder profile</td>
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<td>Co-operation partners</td>
<td>Cofely refrigeration engineering GmbH</td>
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### Assignment of tasks

The lifting of pipes on machines. This is possible only with an elaborate pulley system mounted. Therefore a lifting device can be developed which allows the lifting of pipes on machines.

### Realization

- **Design**: ProE 5.0
- **Calculation**: MathCAD
- **Purchase**: Using as many as possible standard parts
- **Manufacturing**: in the workshop of the school and in the company Cofely refrigeration engineering GmbH

### Results

- Engineering and design
- Manufacturing drawings, specification of standard parts and components
- Prototype manufacturing
### Illustrative graph, photo (incl. explanation)

- Telescopic fork
- Fork carriage
- Pipe Support
- Telescopic lift pole
- Doka-Column
- Base frame

### Participation in competitions

- **Awards**: none

### Accessibility of diploma thesis

- **Office of the Head of Department**

### Approval

- **Date / Sign**: 13.6.2012 / G. Hörlesberger e.h.
- **Head of Department / College**: G. Hörlesberger / H. Hrdlicka