

**Contact details - transport company**

Name .....  
Address .....  
.....  
.....  
Phone .....  
Email .....

**Contact details – contact person**

Name	Phone	Email
.....	.....	.....
.....	.....	.....
.....	.....	.....
.....	.....	.....

The client/interested party is asked to fill out this document truthfully for the preliminary design. The listed information is required in order to be able to include any necessary adjustments to the system or special wishes of the client in the design and quotation.  
In order to achieve an optimal design of the de-icing system to your operating conditions and wishes, further information may be necessary. As well questions and comments from your side are welcome at any time. After consultation with Kummler+Matter, certain points of this preliminary design can also be clarified at a later date.  
After the official quotation has been prepared, the client’s further adjustments and wishes can only be taken into account by making additions to the quotation.

**1. General operating data**

**Transport network**

Input voltage [V] .....  
Maximum height of contact wire (from track) [mm] .....  
Minimum height of contact wire (from track) [mm] .....  
Maximum difference in height of contact wire [mm] .....  
Width of the zig-zag [mm] .....  
Maximum travel speed [km/h] .....

**Pantograph**

Manufacturer of the pantograph .....  
Type of pantograph .....  
Width of active coal [mm] .....  
Width of the pantograph [mm] .....  
Height of retracted pantograph (from track) [mm] .....

## 2. Installation location

Type of vehicle .....  
Position in vehicle .....  
Distance from installation site to pantograph [mm] .....  
Distance from installation site to driver's cab [mm] .....

## 3. Power supply and connection options

Power supply (~400W)  Battery (optional)  230V (provided by client)  
Compressed air (~5 bar)  available  not available  
Connection for protective earthing  available  not available

## 4. Optional components

Battery  yes  no  
Remote maintenance module  yes  no  
Antenna extension  yes  no

## 5. Installation / commissioning

Workshop at clients place  available (required)  
Tools  available  not available  
Assistance by qualified personnel  available  not available  
List of all persons to be trained  available  
Acceptance of the plant after commissioning by .....

The acceptance conditions have been fulfilled if the installation can follow the contact wire course, shows no leakage and can be operated by at least one person of the company.

## 6. Enclosures / technical documents of the client / interested party

Technical drawings of the pantograph included drawings of the pantograph head and holder  enclosed  
Technical drawings of the vehicle for the installation of the system  enclosed  
Sketches / drawings where the roof lead-through is desired  enclosed  
Other documents, questions or comments  enclosed

.....  
date

.....  
signature