# Rail Road and Tanker Car Cleaning System

*(Questionnaire)*

## Company information

<table>
<thead>
<tr>
<th>Information</th>
<th>Details</th>
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<tbody>
<tr>
<td>Company name:</td>
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<td>Contact person name:</td>
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<td>Street:</td>
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<td>Email:</td>
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<td>WEB site:</td>
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</table>

## Company core business

- [ ] Commercial washing
- [ ] Own equipment washing

## Facility location

- [ ] Geographically (country, city) ________________________________
- [ ] Existing building will be used
  - please state building size L:W:H (M): ________________
- [ ] New building
- [ ] Open space

## Equipment to be cleaned

- [ ] Road tankers
- [ ] Rail car tankers
- [ ] Hoppers
- [ ] Other (please specify) ________________________________________

## Which product are you planning to clean from

**Oil and chemicals**

- [ ] Solvents
- [ ] Oil product
- [ ] Oil derivatives
- [ ] Acids
□ Chemicals
□ Caustic
□ Fertilizers
□ Other materials (please specify)

________________________________________________________

________________________________________________________

Food grade product
□ Oil
□ Juice
□ Milk product
□ Other materials (please specify)

________________________________________________________

________________________________________________________

Washing requirements
□ Washing grade (Kosher/Halal)
□ Product change
□ Equipment repair

Technical characteristics of equipment to be washed
Model: ______________________________________________________
Type: ______________________________________________________
Volume (м³): _______ _______
Diameter (м): _______ _______
Length (м): _______ _______
How many manholes: _______ _______
Internal partitions: _______ _______
□ Does equipment has a heating coils
Design (Drawings)
Describe how equipment to be filled and discharged: ______________________________________________________
Other characteristics (please describe): ______________________________________________________

Required washing
□ External
□ Internal
Environmental Engineering

Required capacity
- Quantity per day: ______
- Quantity per hour: ______

Climate conditions
- Winter temperature (°C): ______
- Summer temperature (°C): ______
- Humidity (%): ______

Effluent water requirements
- City sewer
- Plant sewer
- Close loop required
- Requirements for effluent water

Utilities on site
- Electrical
  - Available power (kWt): ______
  - Voltage (V): ______
  - Phases: ______
  - Frequency (Hz): ______
- Steam
  - Pressure (Bar): ______
  - Temperature (°C): ______
- Source: ______________________
- Pressured air
  - Volume (l/min): ______
  - Pressure (Bar): ______
  - Particles level: ______
- Water
  - Source: ______
- Pressure (Bar): ______
  - Quality: ______
Spurs for rail cars

☐ Quantity (Please attach diagram if available)
☐ Distance between axels (mm): _____
☐ Not available

Is specification and requirements for the washing system available

☐ Yes
☐ No

Project time frame

☐ Purchase order placement
☐ Commissioning

Equipment working schedule

Days per year: _____
Shifts (qty. and how long) _____