



Innovative Technologies for Ground Support Equipment

Welcome to MULAG

Company profile MULAG

MULAG Fahrzeugwerk Heinz Wössner GmbH u. Co. KG | Oppenau

MULAG Fahrzeugwerk

Today MULAG is developing and producing special vehicles and equipment for **Airport Ground Support** and **Roadside Maintenance**.

The company name **MULAG** is the German abbreviation of **Motor Universal Lasten ArbeitsGerät** and refers to the company's origins in the field of agricultural vehicles.

Even after more than **60 years**, some of these „MULAGs“ are still in use – thanks to MULAG Quality.



Ground Support Equipment



Roadside Maintenance Equipment



Innovative Technologies for Ground Support Equipment



History

Long-term Experience with Innovation

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------

MULAG was **founded in the year 1953** through the shareholders Mr. Wössner and Mr. Huber.



Location Bad Peterstal-Griesbach

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------

In 1955, the **company grounds were built on the Stöckmatt**. At that time, 17 workers and 4 employees were working for the company.



Division Airport Equipment

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------

In 1964, the **design and production of Airport Vehicles** was initiated as new division. In the beginning, conveyor belt cars were manufactured.



Further Airport Equipment Development

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------

The division Airport Equipment was expanded by the **construction of container transporters and towing tractors**.



Introduction of Flow Production

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------



Introduction of flow production for Comet airport towing tractors (in 2008: flow production for Orbiter conveyors)

Expanding the Premises

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------



Expanding the Premises Factory II

1953	1955	1958/59	1964	1970	1972	1980	2000	2004	2007	2011	2013	2018
------	------	---------	------	------	------	------	------	------	------	------	------	------



New façade and interior design Factory II

MULAG at a glance

Factory I in Bad Peterstal

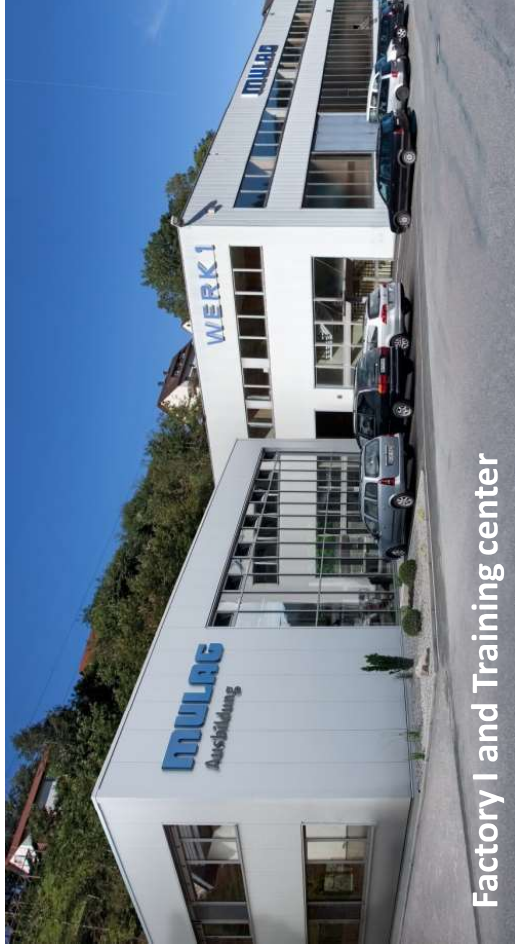
Property site	8.600 m²
Production building	2.200 m²

Factory II in Oppenau

Property site	27.000 m²
Production building	4.000 m²

Other data

Employees (apprentices hereof)	330 (30)
Export Share Ground Support Equipment	55%
Export Share Roadside Maintenance Equipment	35%



MULAG Locations



Factory 1 in Bad Peterstal



Factory 2 in Oppenau

Advantages of the locations

- Favourable location of both factories in the South-West of the Federal Republic of Germany near the neighbouring countries **France**, **Switzerland** and **Austria**.
- Major airports such as **Frankfurt** and **Munich** and regional airports **Stuttgart**, **Baden-Baden** and **Strasbourg** are within easy reach.



MULAG Ground Support Equipment



Airport Tractors for baggage transportation, cargo handling and pushback



Ground Support Equipment



Special vehicles, for example **Loading Transporters** and **Baggage Conveyors**



Container Pallet Transporters for cargo handling



Conveyor Belt Vehicles for load and unload at the airplane

Airport Tractors



Diesel



Diesel Hybrid



Electro



CNG / LPG



Fuel Cell (Prototype)

Comet

Baggage Handling

Comet 3
Comet 3 LPG
Comet 3 E
*Baggage
Handling*

Comet 4
Comet 4 CNG
Comet 4 H
Comet 4 DK
Heavy Baggage

Cargo Handling

Comet 4
Comet 4 DK
Comet 4 H
Comet 4 CNG
Light Cargo

Comet 6
Comet 12
Heavy Cargo

Push- back

Comet 6
*50t MTOW
Pushback*

Comet 12
*150t MTOW
Pushback*



Innovative Technologies for Ground Support Equipment



Company profile MULAG | GSE – Airport Tractors





Conveyor Belt Vehicles



Orbiter



Diesel



Electro



LPG

Belt lengths

Orbiter 4 / 5.5
4.0 – 5.5 m

Orbiter 7.5
7.5 m

Orbiter 9
9 m

Orbiter 12
12 m

Options

Multitransfer
Option
for ergonomic
handling

Power Stow
Roller-Track
Telair
RTT Longreach







Container Pallet Transporters



Pulsar



Diesel

Trans- porters

Pulsar 7
7000 kg

Pulsar 7 SL
7000 kg

Pulsar 14
14000 kg

Pallet Types

Pulsar 7 / 7SL
LD and MD
up to a size
of 96" x 125"

Pulsar 14
LD and MD
up to 20' and
specials up to
5640 mm







Why MULAG?

Experience

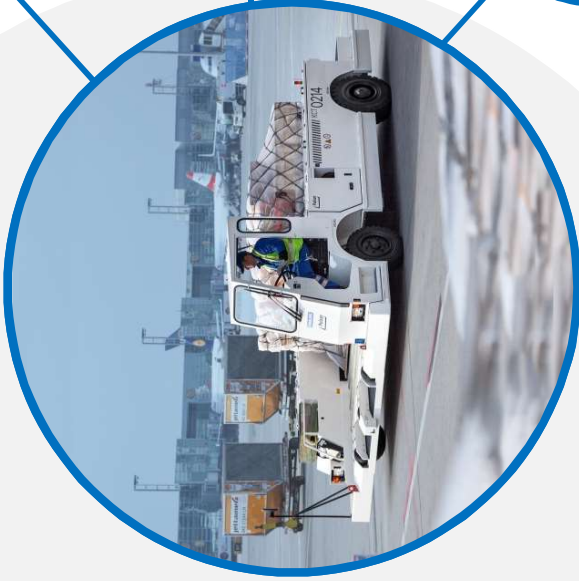
- > 50 Years of GSE Experience
- One of the leading GSE manufacturers

Quality

- Made in Germany
- DIN EN ISO 9001:2008
- Excellent After-Sales Services

Innovation

- Green Drive Alternatives
- State of the Art Technology





Innovative Technologies for Ground Support Equipment

Thank you for your attention!

