

MANUFACTURER QUALIFICATIONS AND CERTIFICATES

Project management and engineering

- _ Certified quality management ISO 9001
- _ IRIS certification according to ISO/TS 22163

Production and system integration

- _ Certified welding competence according to EN15085-2
- _ Certified bonding competence according to DIN 6701
- _ Certified production control according to EN 1090
- _ Qualified supplier (Q1) of Deutsche Bahn AG for MPV® VentuS® type DB GAF

Environmental management at the headquarter in Rheine

- _ Environmental management system according to ISO 14001

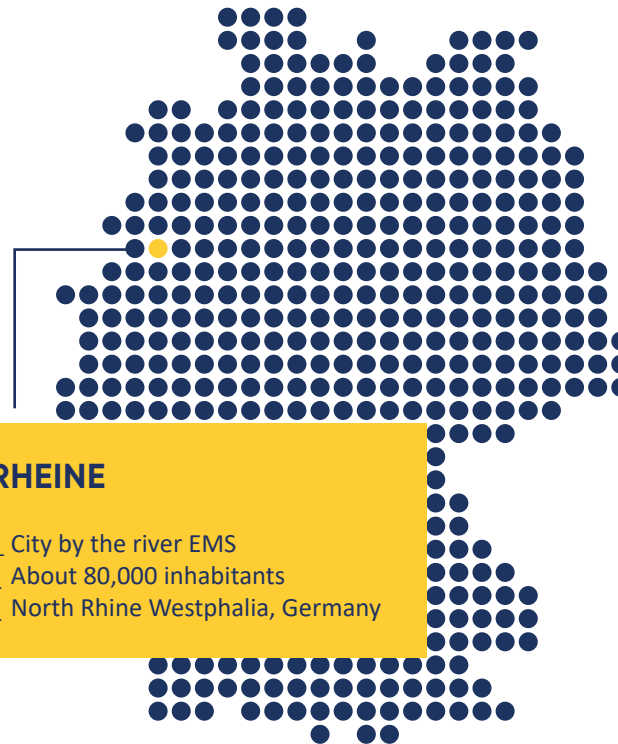
Admission

- _ Approval according to valid standards and guidelines
- _ Standardised approach with admission concept

THE FIRST MPV® VentuS®-NV ARE ALREADY IN THE REALIZATION PHASE!

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- _ A **3 SECTION WORKS TRAIN** for the Urban Works Transport Company Ltd in Frankfurt am Main (abbrev. VGF)
 - _ A **rail grinding vehicle** for moBiel GmbH from Bielefeld
 - _ A train **with two rail grinding vehicles** for Urban Works Transport Company Ltd. Frankfurt am Main mbH
 - _ **Successful realization of the modular VentuS®-NV construction:** crane module, cabin module, platform module and much more.
 - _ **Successful realization of modular built-in components:** In particular, the modular drive system, which allows emission free operation according to the future valid regulations (e. g. electric - overhead line, battery-electric, or similar).

PRODUCTION AND COMPANY HEADQUARTER



RHEINE

- _ City by the river EMS
- _ About 80,000 inhabitants
- _ North Rhine Westphalia, Germany

CONTACT US

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THE MODULAR SYSTEM THAT MEETS YOUR REQUIREMENTS

MPV® VentuS®- NV

The new generation in public transport



TRAM

Multi Purpose Vehicle (abbrev. **MPV®**):

MODULAR

Modules for cranes, cabins , frames, etc.

MULTIFUNCTIONAL

Maintenance | Measuring | Rail grinding

SUSTAINABLE

Solutions for today and for the future
Zero Emission

 **WINDHOFF**

QUALITY MADE IN GERMANY

Sophisticated modular vehicle concept

- _ Rail grinding vehicle (bi-directional)
- _ Track work vehicle

Modularity

- _ Vehicle width and track gauge
- _ Vehicle concept
 - _ Driven
 - _ Non driven

Further equipment features

- _ With different working bogies (e. g. grinding bogie)
- _ With measuring equipment
- _ With snow clearing equipment
- _ With overhead wire de-icing equipment
- _ With water dispensing system for lawned routes
- _ With a speed of up to 60 km/h

WINDHOFF MPV® VentuS®-NV WITH ZERO EMISSION TO CONSTRUCTION SITE

Standardised procedure with approval concept

- _ Approval according to valid standards and guidelines
- _ Vehicle is handed over ready for use and approved incl. approval, training and documentation

Equipment

- _ With your chosen working equipment
- _ With customized train protection systems
- _ With driver assistance systems
- _ With customized information and communication equipment

STANDARDIZATION AND HIGH FLEXIBILITY

Modular bogie concept

- _ Standardised bogie types
- _ Traction and running bogies
- _ Working bogies

Modular cabin concept

- _ 2 different cabin lengths (basic)
- _ Modular interior design
- _ Capacity for up to 5 people (basic)

Modular drive concepts

- _ e.g. electric overhead line
- _ e.g. traction battery
- _ e.g. diesel engine
- _ e.g. hydrogen engine
- _ e.g. fuel cell



**WE GO
THE Xtra
MILE.**



All information
in digital form

WINDHOFF