



# Zero emission Road machinery



[www.geba.nl](http://www.geba.nl)

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# 4 Generations of road construction



# Our Business

We provide three core services for sustainable and efficient infrastructure



## E-Build

Through **E-Build**, we build road construction machinery to meet the strictest emission standards. 100% electric and emission free.

01



## Rental

With **Rental**, we provide access to a large fleet of (emission-free) road construction Machinery. Providing clients a first feeling with our technology.

02



## 24/7 Service & Support

With **24/7 Service**, our field engineers guarantee maximum uptime through training, and 24/7 support. Together, we build a cleaner future for the infrastructure and trust in our innovations.

03



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## Mission

“We lead the transition towards a fully emission-free road construction industry. By 2030, we aim to offer electric alternatives for every type of machinery required in asphalt industry through leadership and continuous innovation.”

**GEBA**

**ZERO  
EMISSION**

34M5G

Road construction is changing

# Overview of our electric portfolio

**01**

T30 Electric roller  
BOMAG BW 100/120-e



**02**

T100 Electric roller  
BOMAG BW154-e



**03**

T120 Electric roller  
BOMAG BW174-e



**03**

Z240 Electric single drum roller  
BOMAG BW 211/213-e



**05**

A120 Electric asphalt paver  
Vögele super 800-3i



**06**

A200 Electric asphalt paver  
Vögele super 1300-3i



**07**

A300 Electric asphalt paver  
Vögele super 1800-3i



**08**

S140 Electric static roller  
HAMM HW90



**09**

500L Bitumen spreader





01 2,5 tons

electric Roller



02 7 tons

electric Roller





**BOMAG**  
TRUCK GROUP

**BW154 AP III**

van gelder

370866

03 9 tons

electric Roller





# 04 Single drum roller



**DURA  
TEER**

HJA

**CELL  
POWER**



# 05 V800 electric paver



# 06 V1300 electric paver



# 07 V1800 electric paver



# 07 V1800 electric paver



# 08 S140 static roller



# 09 bitumen spreader



# Why go electric?



## **CO2 & NOx reduction:**

Contribute directly to cleaner, more sustainable infrastructure and meet climate goals.



## **Stronger strategic position:**

Stay ahead of regulations, win more sustainable tenders, and future-proof your fleet.

## **Lower total cost of ownership:**

Within 4–7 years, electric machinery becomes more cost-efficient due to lower fuel and maintenance expenses.



## **Healthier work environment:**

People who are exposed to diesel fumes and exhaust emissions on a daily basis have a significantly higher risk of developing diseases later in life.



Electric machinery offers a healthier work environment:

- Lower noise levels
- No diesel fumes
- Less vibration

# Our vision Behind Swappable batteries

**SCENARIO 1**

**Charging logistics with a fixed battery pack**

2,5 KM

1,5 hours charging time

Driving back and forth in 40 minutes

**TOTAL DOWNTIME ON SITE:**  
**2 hours and 10 minutes a day**

**SCENARIO 2**

**Charging logistics with a mobile charging station**

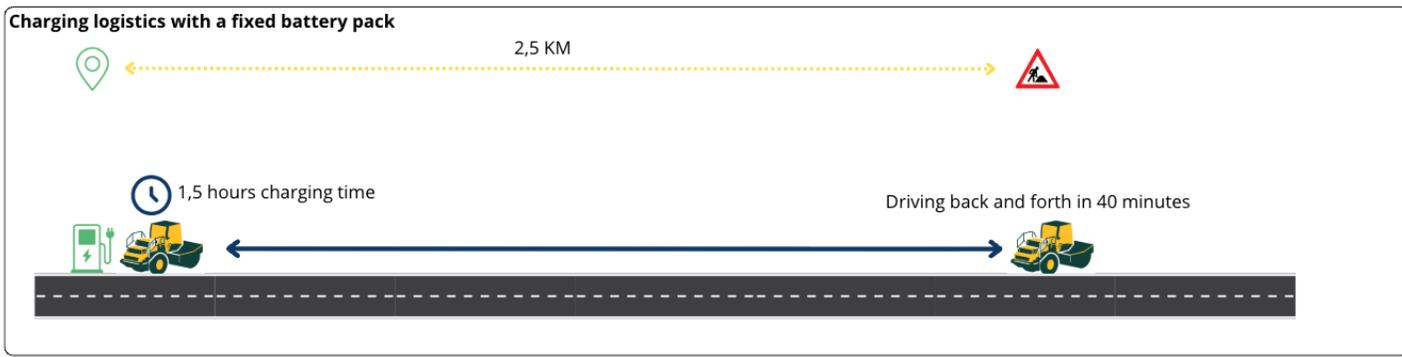
2,5 KM

1,5 hours charging time

**TOTAL DOWNTIME ON SITE:**  
**1,5 hours a day**

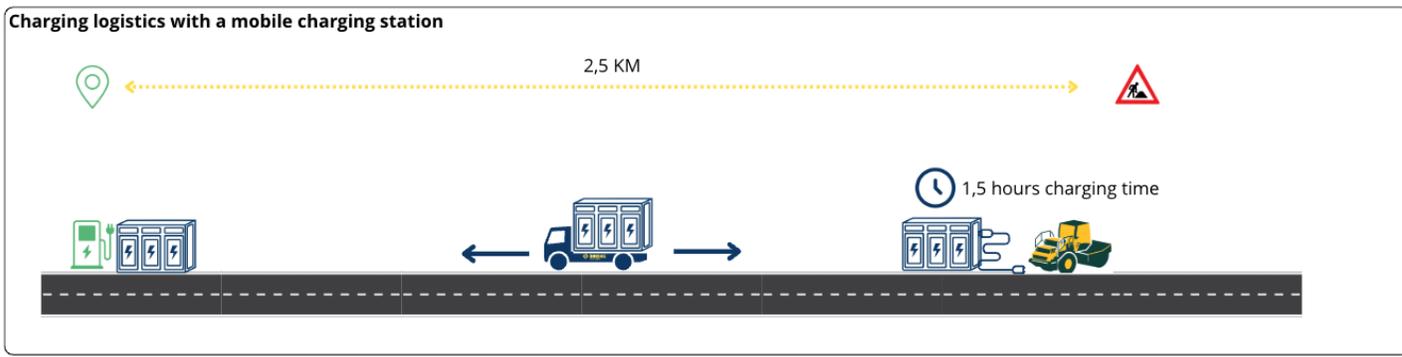


SCENARIO  
**1**



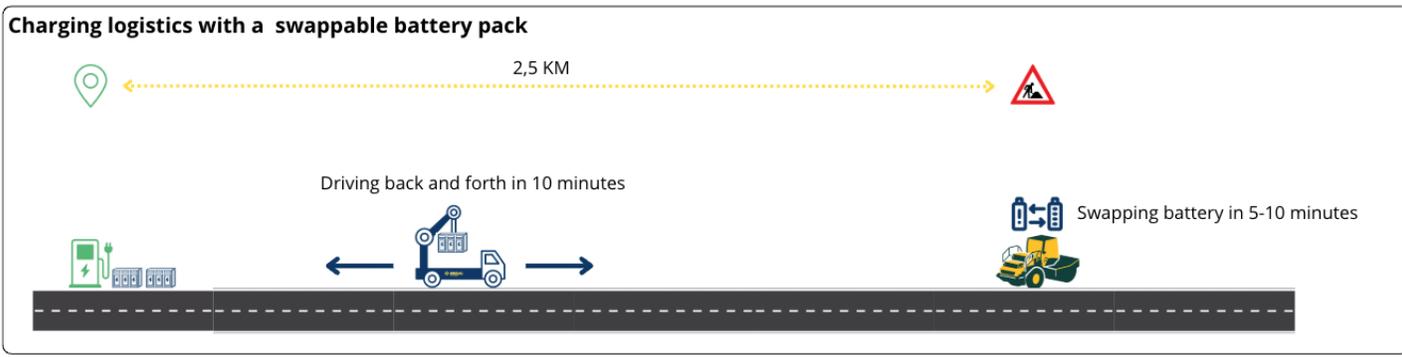
TOTAL DOWNTIME ON SITE:  
**2 hours and 10 minutes a day**

SCENARIO  
**2**



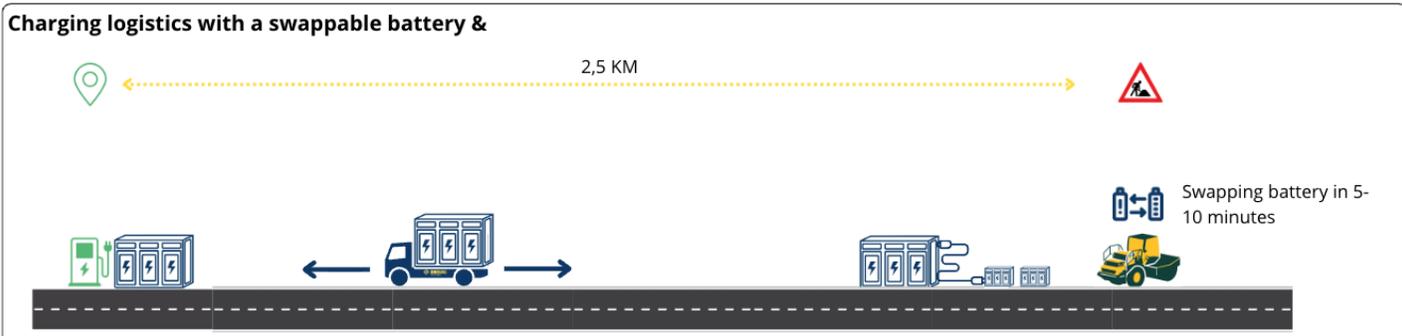
TOTAL DOWNTIME ON SITE:  
**1,5 hours a day**

SCENARIO  
**3**



TOTAL DOWNTIME ON SITE:  
**5- 10 minutes a day**

SCENARIO  
**4**



TOTAL DOWNTIME ON SITE:  
**5- 10 minutes a day**

## Our vision Behind Swappable batteries

### SPECIFICATIONS:

- **Available in 3 capacities:** 100 / 112 / 155 kWh
- **Fast charging only:** 0-100% in under 2 hours
- **Swappable in minutes:** Change batteries in just 5-10 minutes
- **One battery fits all:** Compatible across all GEBA electric machines



## Our vision Behind Swappable batteries

### **No Downtime:**

No need to charge machines for hours, a battery can be swapped on-site in just 5 - 10 minutes, allowing seamless multi-shift operations.

### **Future Ready:**

As battery tech evolves, simply swap in a newer, higher-capacity battery, no need to upgrade the entire machine. Your equipment stays relevant, efficient, and competitive.

### **Scalable :**

When your fleet grows, you don't need one battery per machine. Since machines rarely run all at once, fewer batteries can power more equipment, saving cost while keeping full flexibility.

### **Maximum flexibility:**

Batteries fit across multiple machines, allowing you to allocate power where and when it's needed most.

### **Reduced transport costs:**

Bring the power to the machine, not the other way around. No more hauling machines to charging stations, just swap the battery directly on-site in minutes.



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