

# ALSTOM TRANSPORT

Salzgitter, Germany

## DELIVERY IN 2011

2 x Blastman B20C robot



*“We are already operating with the third generation Blastman robots. Maintenance costs are low, even though we use the robots in three shifts.”*

**Andre Sunke, Alstom, Germany**

## OBJECTIVE

Automate blast cleaning

Improve quality and efficiency

Improve health and safety of operators

## PROCESS INFORMATION

### **Workpiece**

- Passenger coaches

### **Workpiece condition**

- New production, rust grade A-B

### **Pressure**

- 8 bar

### **Abrasive**

- Garnet

### **Nozzle / robot**

- 1 x 19 mm per robot

### **Efficiency**

- 2 car bodies per shift ~ 180 m<sup>2</sup>/h

### **Typical manual blasting efficiency**

- 10-15 m<sup>2</sup>/h for a similar process

### **Cleanliness**

- Sa 2,5 / Sa 3