

# ÖBB-Infrastruktur AG

We want to get as many people as possible excited about railway travel!



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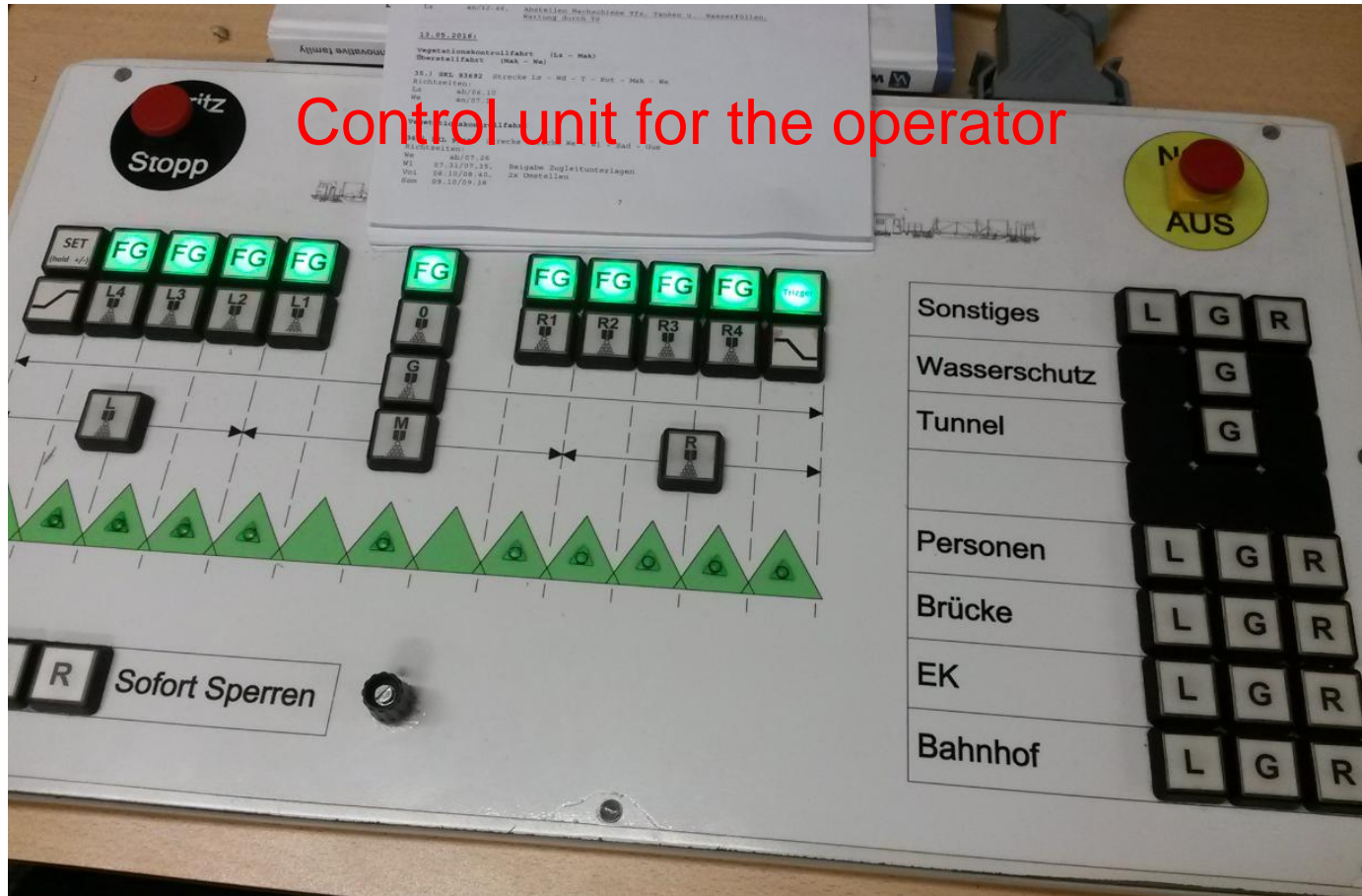


# Datacollection on the spraying train MMT



A lot of sensors and automated measuring units are used for data collection at the MMT.

# Datacollection on the spraying train MMT



Control unit for the operator

Emergency off-button

others

Water protection

tunnel

persons

bridge

Railway crossing

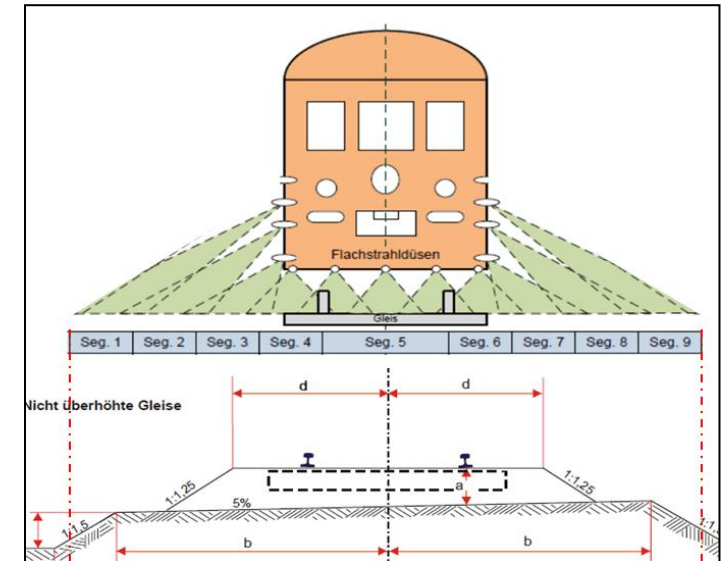
Railway station

Control buttons for the different spraying segments

# Datacollection on the spraying train MMT

A spraying protocol is filed automatically containing:

- Type of spraying equipment
- Date and time
- Location (GPS)
- Operators
- Track-length total (km)
- Area total (ha)
- Sprayed area (ha)
- Volume of spraying broth
- Composition of spraying broth (herbicide, water, wetting agent) and total use of components
- Operation speed
- Meteorological data



Data is collected and processed at a central organisational unit at the head quarter, which is also responsible for archiving

# Datacollection for other modes of application

A spraying protocol has to be completed by the operators manually, with more or less the same information (acc. to the legal requirements for herbicide application)

Data is collected and filed at the regional headquarters.



- Managing board has ordered a project to optimize herbicide use
- Since 2015 ÖBB-Infra AG is working together with a NGO (very experienced and with a lot of know how concerning pesticides) in order to find new opportunities to a more environmental friendly vegetation control
- First results are promising but the project is still ongoing!



**Thank you for your attention!**