

# Optimizing Operations, Cutting Costs, Improving Service— How Digitalisation Transforms Railways

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## DIGITALISATION IN RAIL TRANSPORT- OBJECTIVES

- faster
- better
- more flexible
- more attractive
- more efficient

**for passengers and  
transport operators**



## DIGITALISATION OF RESOURCE PLANNING

- **Planning faster**  
automatisation &  
continous data flows
- **Planning better**  
optimisation & integration
- **Planning efficiently**  
scenario planning





## DIGITALISATION OF OPERATIONS

- **Better informed**  
automated & in real time
- **Acting faster**  
digitally supported and  
connected dispatching
- **Driving efficiently**  
demand-driven capacity  
adjustment





## DIGITALISATION OF FLEET MANAGEMENT

- **Planning ahead**  
predictive maintenance
- **Getting ready faster**  
transparency  
(e.g. digital incident reports)
- **Deploying more efficiently**  
integrated resource planning:  
yard / workshop / operations





## DIGITALISATION OF DISTRIBUTION

- **Flexible prices,  
better capacity management**  
revenue management
- **Attractive offers**  
user-friendly, digital ticketing
- **From railway operator to  
mobility provider**  
intermodal /partner offers





## DIGITALISATION OF PASSENGER INFORMATION

- **Better informed**  
dynamic PI  
with real-time data
- **Attractive journey chains**  
intermodal journeys from  
destination to destination,  
not from station to station
- **Getting there faster**  
Mobile journey  
companions





## DIGITALISATION OF CONTROLLING

- **Transparent and accountable**  
detailed, automated  
reporting & KPIs
- **Measurable quality**  
contract controlling
- **Efficient services**  
performance monitoring &  
Big Data



# A RAIL OPERATOR'S WORKFLOW. DIGITAL. INTEGRATED.

## RESOURCE PLANNING



## OPERATIONS & MAINTENANCE



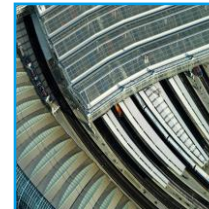
## DISTRIBUTION



## PASSENGER INFORMATION



## CONTROLLING



BEFORE

PRODUCTION

AFTER