

Dr. Peter Kurz

Lord Mayor

City of Mannheim, Germany

**Tackling urban mobility
ambitiously –
Mobility strategy of the
City of Mannheim**

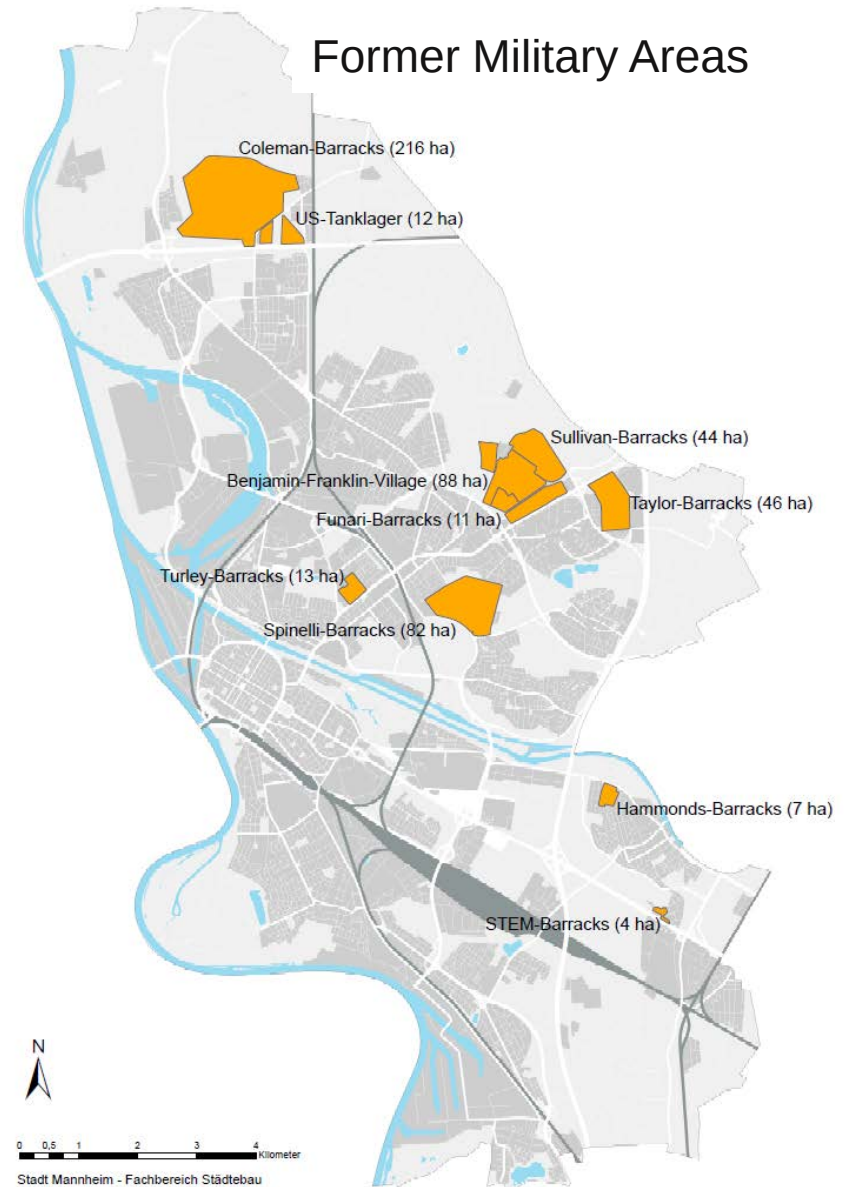
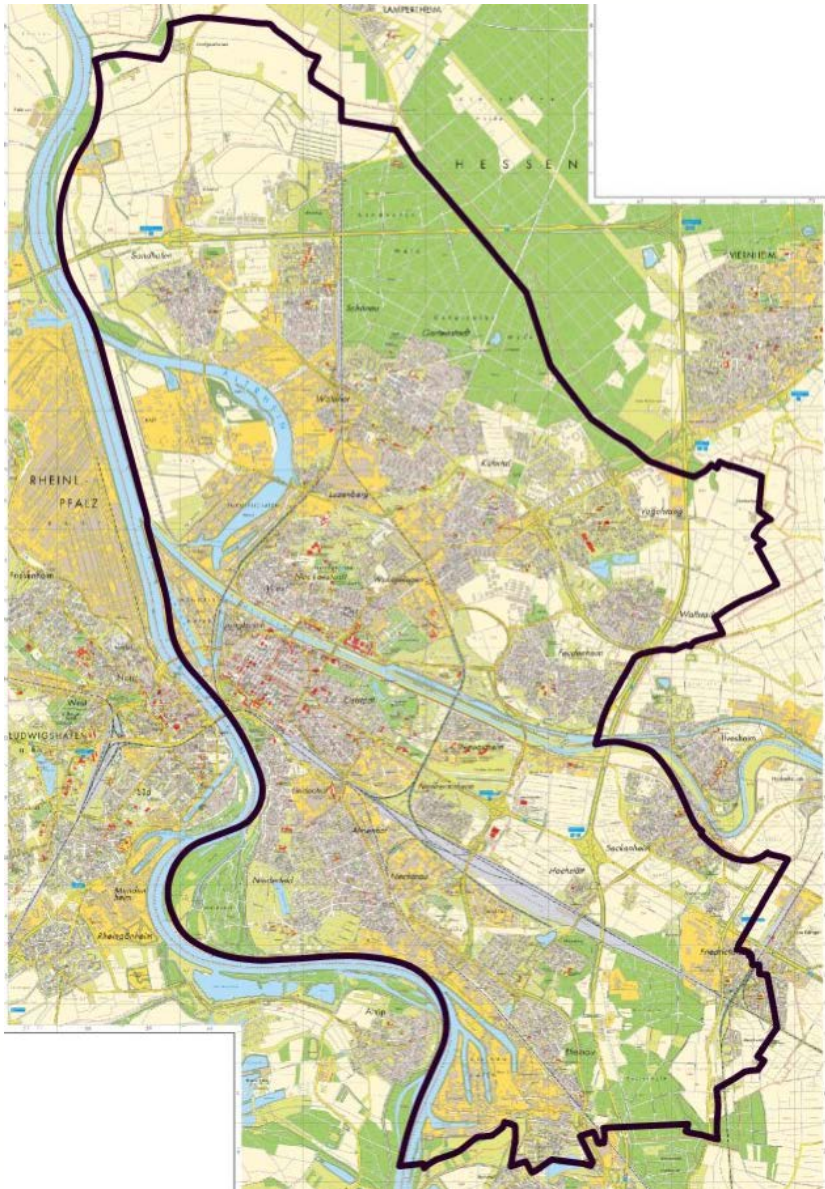




1. Mobility Concept FRANKLIN
2. Mobility Management Company „FRANKLIN mobil“
3. Public Transport System
4. Cycling Concept „21-Points-Program“
5. 200th Anniversary of Bicycle

1 | Mobility Concept FRANKLIN

Conversion in Mannheim – 510 hectares former military area in the inner city“



FIRST PILLAR

MOBILITY CONCEPT FRANKLIN

Urban planning structure / street grids

- model of short distances
- traffic calming measures
- equal treatment of all road users





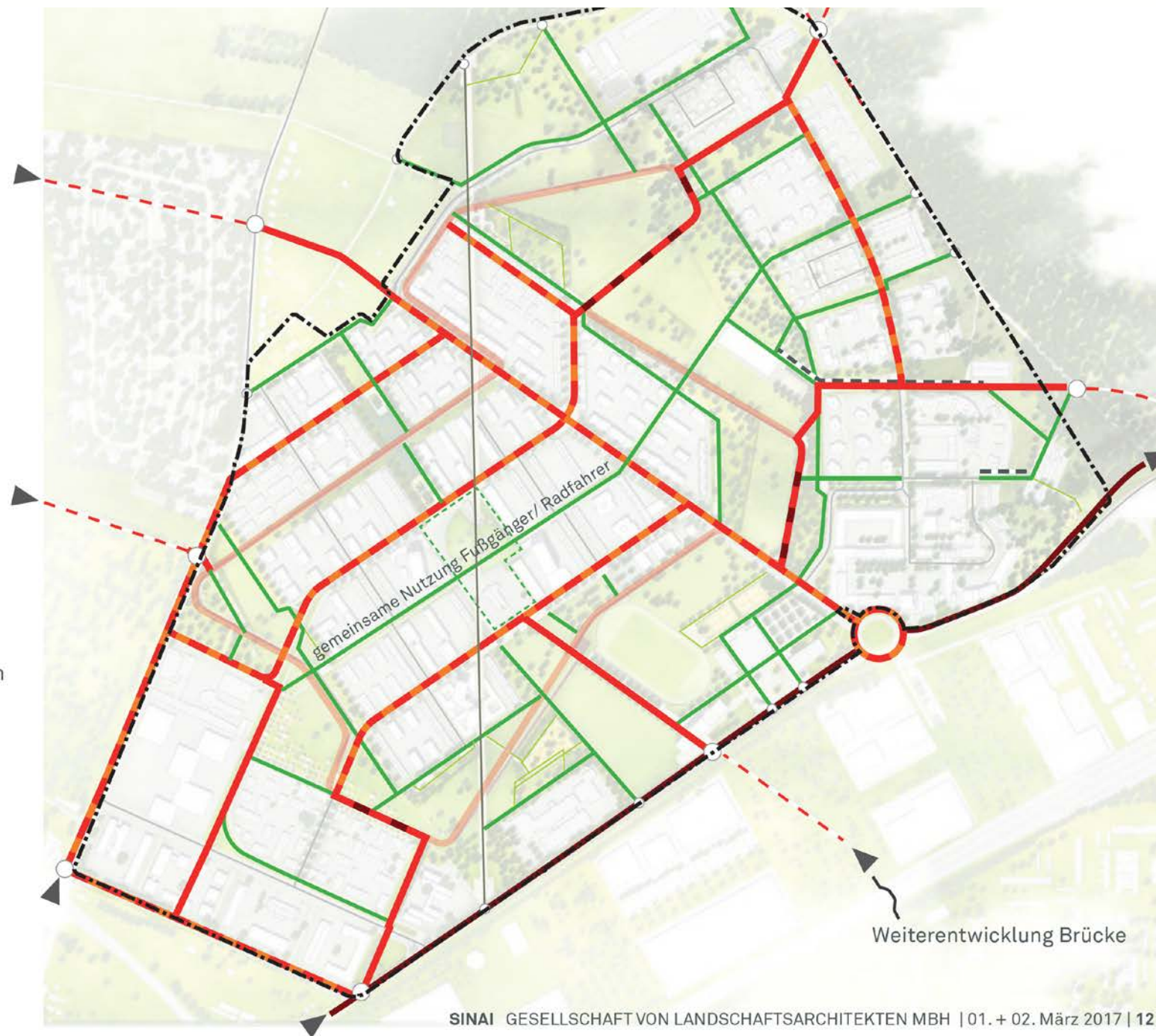
Radwege im Quartier

- Radnutzung im Park
- - Radnutzung auf Straßen
- - - Radnutzung auf Loop

Parkwege gem. Planung Sinai

- Parkweg
- - Parkweg mit Erschließungsfunktion
- - - Parkweg untergeordnet
- Loop

- Radhauptachse
- Europa-Achse
- Anbindungspunkt
- - - Fußgängerzone, kein Rad



SECOND PILLAR MOBILITY CONCEPT FRANKLIN

Well developed,
Low emission and
barrier free local
public transport



- new tramway line through the district
- electric busline as a run-up operation
- supplements by pilot projects such as automated driving



THIRD PILLAR

MOBILITY CONCEPT FRANKLIN

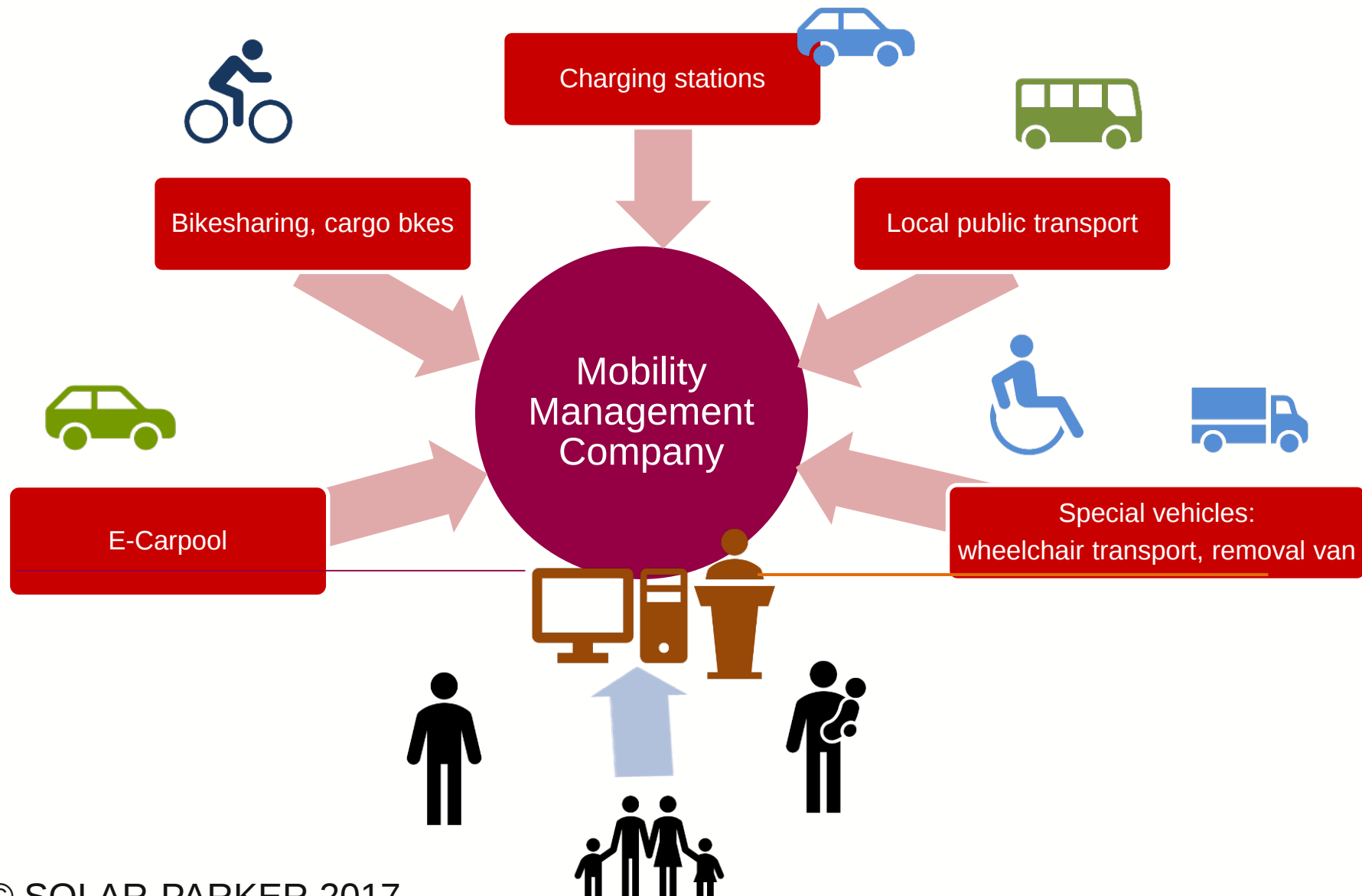
- innovative mobility offers
- deriving from the sharing-economy &
- attractive mobility services

2 | Mobility Management Company „FRANKLIN mobil“

January 2018: Foundation of the Mobility Management Company „Blue Village FRANKLIN mobil GmbH“



Mobility Management Company: Bundling, Development & Operation of Mobility Offers & Services



Draft Version „Mobility Center FRANKLIN“

MZF MOBILITÄTSZENTRALE FRANKLIN

MOTOR
LAB/AR
CHITEK
TEN///.



OVERVIEW

MOBILITY CONCEPT

- NEW TRAMLINE
- RESEARCH AUTONOMOUS DRIVING
- E-BUSLINE FRANKLIN + TAYLOR
- existing TRAMLINE
-  CHARGING STATION
-  BIKESHARING-STATION (E-BIKE)
-  CARSHARING
(E-Cars & special vehicles)
- MOBILITY CENTER



Stand Oktober 2017

FRANKLIN
MANNHEIM

3 | Public Transport System

Public Transportation System

TRAFFIC ASSOCIATION RHINE-NECKAR

- 3 federal states (Baden-Württemberg, Rhineland-Palatinate, Hessen)
- 9.967 km² area size
- 3,02 Mio. inhabitants
- 24 districts
- 636 cities and towns
- 55 transport operators
- 460 lines
- 7.660 railway-, tram- and bus-stops

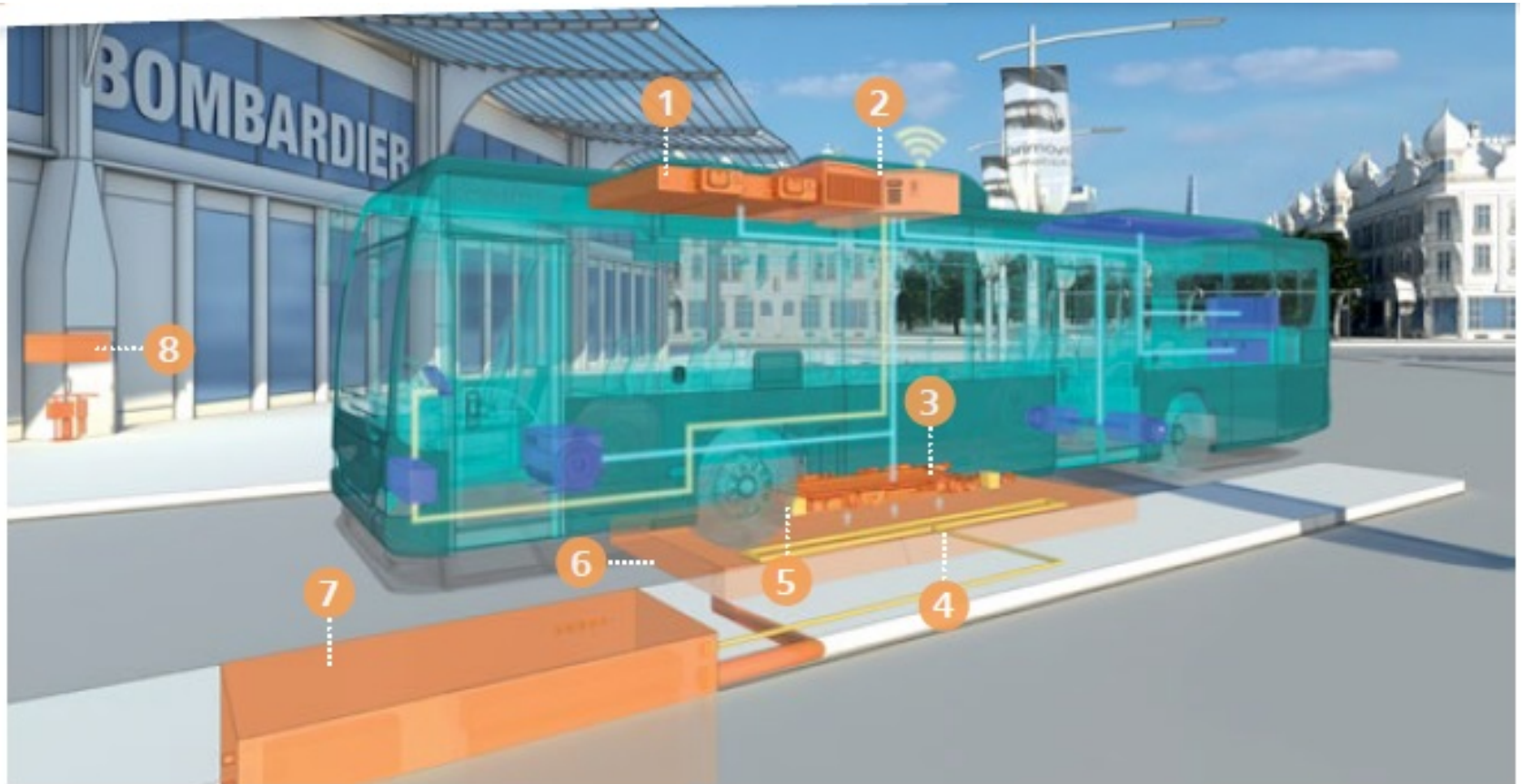


A modern tram with orange and blue accents is stopped on a street in Brno. In the background, the prominent Water Tower (Věžní věž) with its green copper roof stands out against a cloudy sky. Other buildings and trees are visible in the distance.



INNOVATIVE URBAN MOBILITY – PRIMOVE MANNHEIM

- 1 PRIMOVE Batteriesystem
- 2 MITRAC Antriebssystem
- 3 Stromaufnehmer
- 4 Fahrzeugerkennung
- 5 Fahrzeugseitiger Sender
- 6 Ladeplatte
- 7 Wegseitige Leistungselektronik
- 8 Kühleinheit



4 | Cycling Concept „21-Points-Program“



Space for bicycles and pedestrians
Bismarckstraße, Mannheim



vrn nextbike
bike-sharing system



Monnem Bike
Festival commemorating the invention of the „walking machine“ in Mannheim 1817

CYCLING CONCEPT „21-POINTS-PROGRAM“

- Approved by the local council in 2010

Topics:

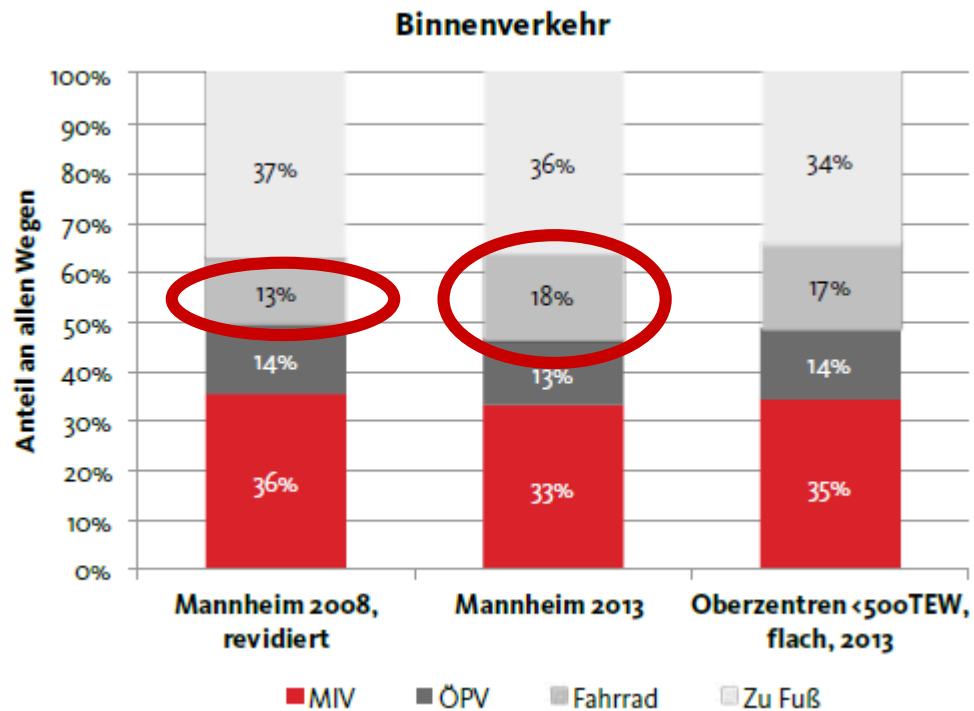
- Infrastructure
- Safety
- Serviced
- Communication and promotion
- Focussing on each target groups (children, commuters, pensioners)



CYCLING CONCEPT „21-POINTS-PROGRAM“

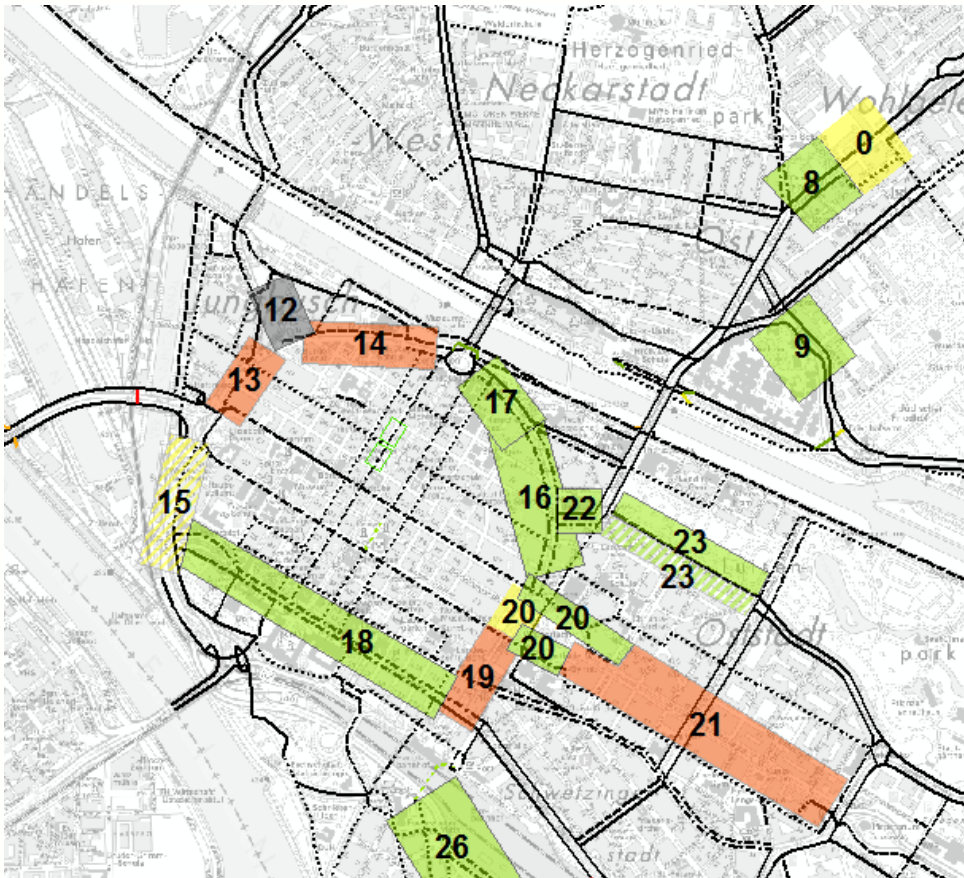
Increasing cycle traffic:

- From 2008 to 2013 + 5%
- Our goal: From 2008 to 2020 + 10%



PROGRAM „FILLING THE GAPS“

- Step by step redesigning main streets with cycle lanes



REDESIGNING BISMARCKSTRASSE



BICYCLE BOULEVARD BERLINER STRASSE



BIKE & RIDE ON TRAM INTERCHANGES



BIKE SHARING VRNNEXTBIKE

- 40 stations – 250 bicycles
- Connected with neighbour communes like Heidelberg, Ludwigshafen, Worms and Speyer



Map of the Rhein-Neckar region showing the proposed rail line (Zieltrasse) and existing lines (Starttrasse). The map includes labels for Stadt Mannheim (302.000 EW), Stadt Ludwigshafen (164.000 EW), Stadt Heidelberg (155.000 EW), Rhein-Pfalz-Kreis (150.000 EW), and Rhein-Neckar-Kreis (535.000 EW). A legend indicates that the red line represents the Starttrasse and the blue line represents the Zieltrasse.



5 | 200th Anniversary of Bicycle



MONNEM BIKE



MONNEM BIKE



MONNEM BIKE



2017: „CYCLING-FRIENDLY COMMUNE“ IN BADEN-WÜRTTEMBERG



**Landesauszeichnung Baden-Württemberg
Fahrradfreundliche Stadt**

MANNHEIM





Roads can rescue and destroy cities.

Infrastructure decisions are (almost) impossible to change later.

Big cities need big transport infrastructure, but: there is more than roads!

Projections are based on developments in the past – the future is uncertain.

Urban design cannot make traffic disappear, but can integrate infrastructure and urban life.

The dangers of „Rational Planning“ – Engineers and planners can be „trapped“ in their professional logic

Thank you for your kind attention!