LUDWIGSBURG

EU-China Smart City and Technology Innovation Forum

**Smart City Solutions
in Ludwigsburg (Germany)**

Chengdu (China), June 11th 2019

Michael Ilk

Mayor, City of Ludwigsburg

Ludwigsburg is located…

- ◼ …in the middle of Europe

- ◼ …in the south-west of Germany

- ◼ …in the north of Stuttgart Region

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Ludwigsburg…

STADTPORTRÄT
Portrait of the city

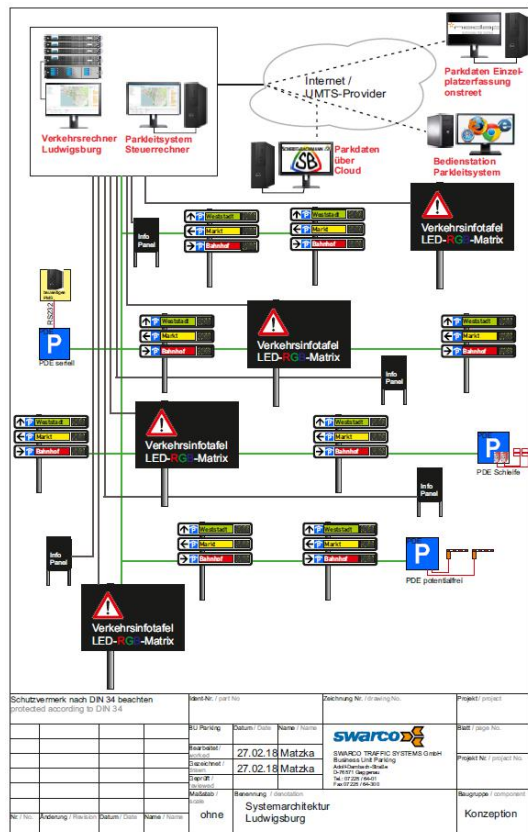

- …has about 93.000 inhabitants

- …includes about 43,35 square kilometers

- …is famous for its baroque buildings, palaces and city center

- …is also famous for its very high traffic volume

Environmentally friendly traffic management

- **improvement of traffic flow and relocation of traffic**

  - „VRS 5000 Web" – modern traffic computer
  - „INES+" – software based intelligent control of traffic-system
  - „ANNA+" – software based analysis of traffic
  - micro climate monitoring system

Digital parking management

- **minimization of traffic caused by searching for a parking lot**

  - dynamic parking guidance system

  - multi message LED-displays

  - data collection of parking-space

Digitalization of traffic lights

- **acceleration of traffic**

  - „V2X"-communication

  - traffic data collection in real-time

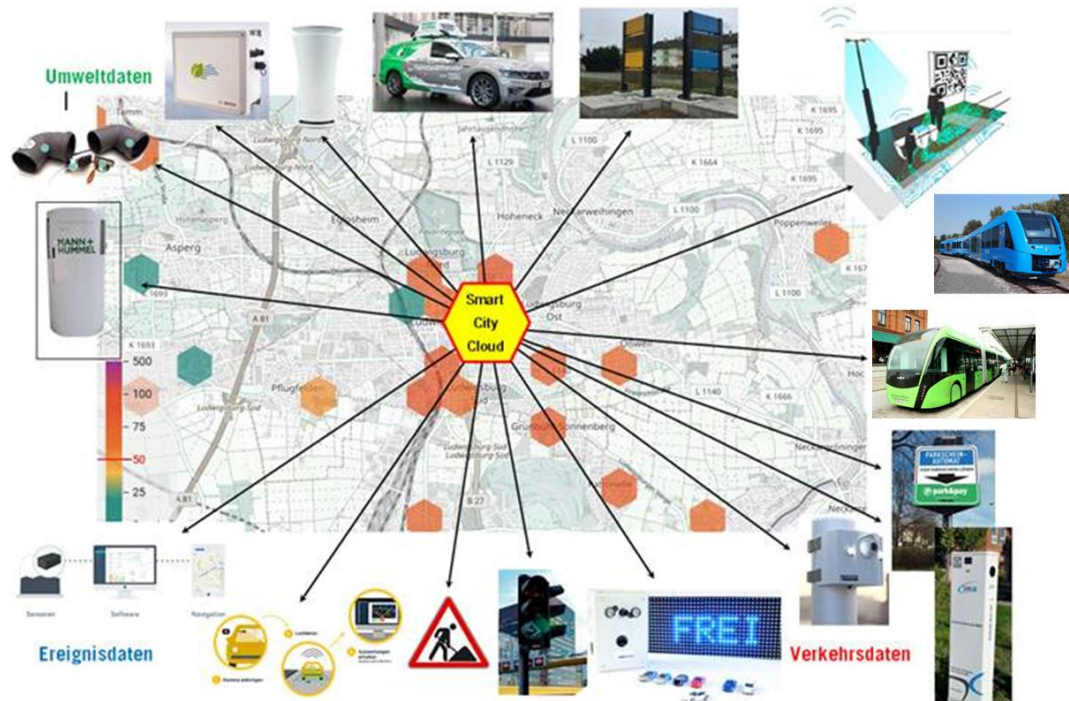 - priorization of busses and emergency vehicles

Digitalization of information

- **increase in attractiveness of the public transportation system**

  - digital information displays at bus stops

Smart City Cloud

- **interconnection of environmental, traffic and real-time data**

  - liquefaction of traffic

  - reduction of negative effects on the environment

Basic concepts and funding

Green city masterplan

Action plan „clean air"

- Summary of all activities for an environmentally friendly mobility

- Costs: 25 Mio €

- funding programm of the federal government for cities

- Funding rate: 50 – 100 %

Thanks.