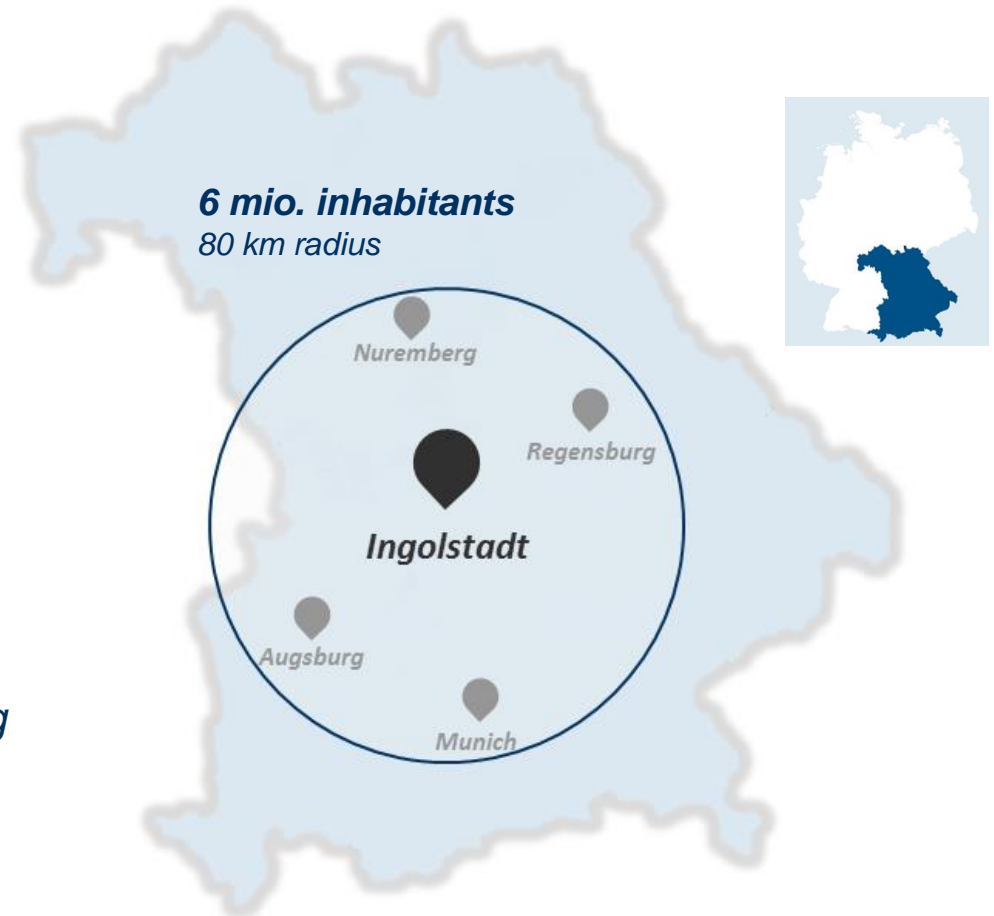




# Urban Air Mobility Ingolstadt

**IN**the Air

- Located in the centre of Bavaria
- Fastest growing city in Germany  
→ + 12 % since 2010
- Population in region: 500.000
- Close to Munich, Nuremberg, Augsburg and Regensburg



Ingolstadt – a economically powerfull region with high growth forecast.

- *Economic ranking 2017: 2. Place*  
→ *one of Germany's most prosperous cities*
- *Investment in R&D: 4,4 % per year*  
→ *one of Germany's top five regions*
- *Patent application rate: 486 per 100 T locals*  
→ *highest rate in Bavaria*
- *Rate of engineers in population: 7,2 %*  
→ *highest rate in Bavaria*

## **Center of Automotive and Aviation Technologies**

### **AIRBUS**

- *Testing area for unmanned flight vehicles (UAV) five kilometers south of Ingolstadt*

Technische Hochschule Ingolstadt 

- *Study programmes focusing on research in mobility*



- *Headquarters in Ingolstadt*
- *Expanding in the area of innovative mobility services*

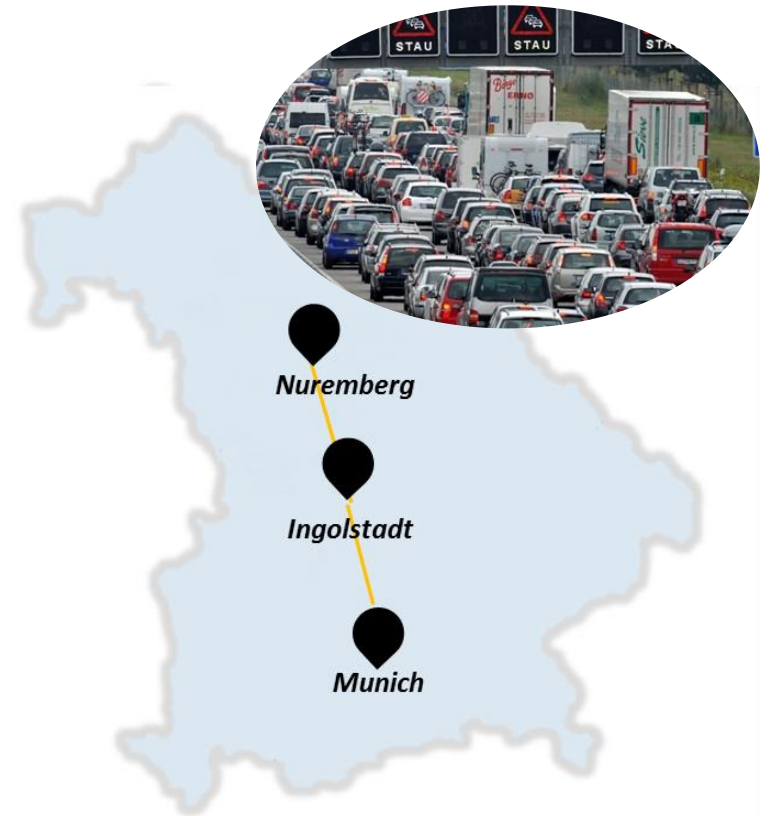


- *Startup center dedicated to digitalisation in mobility applications*

Economy dedicated to mobility with prominent industrial leaders.

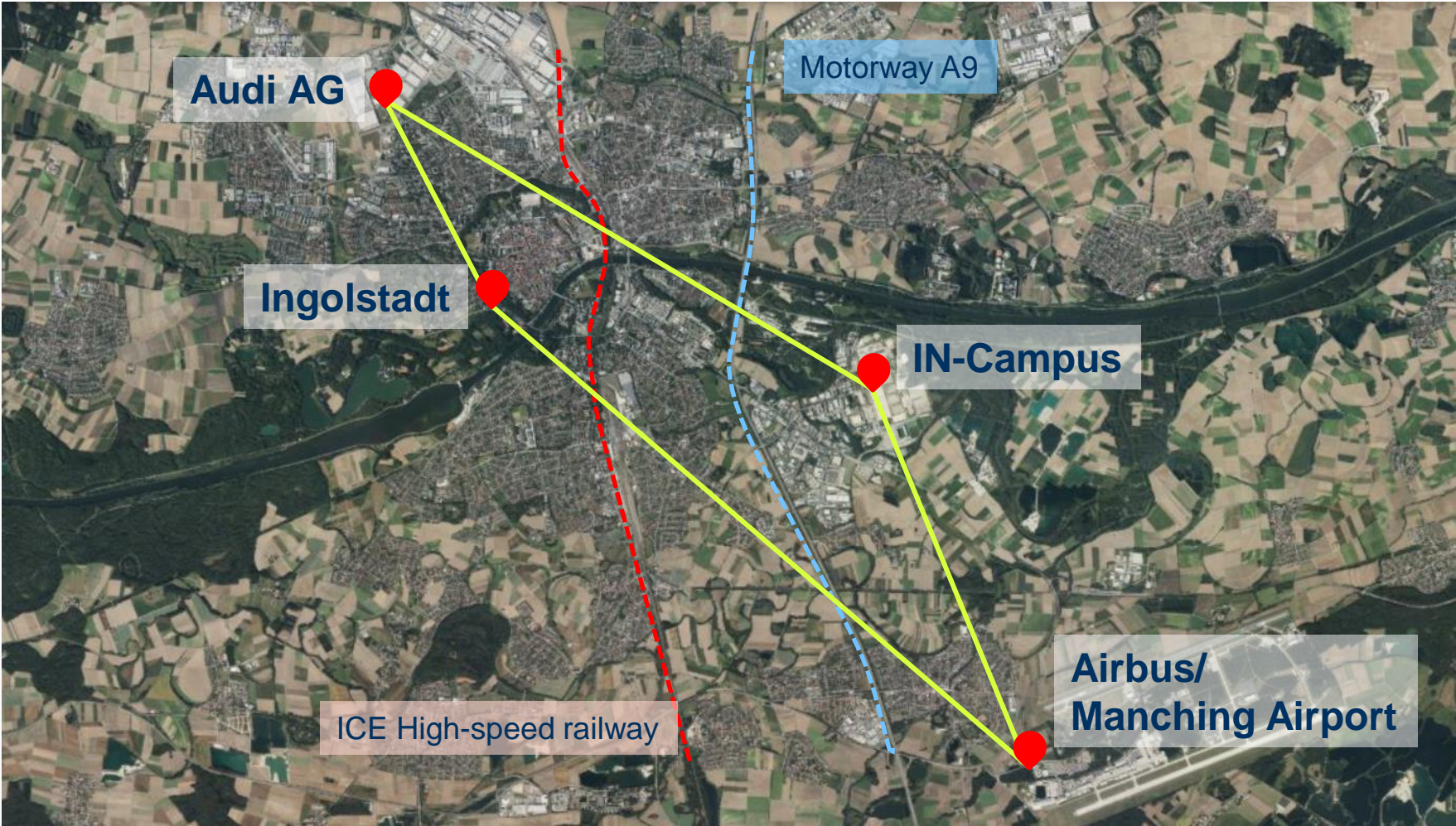
## Massive Traffic:

- **Motorway A9** Munich - Ingolstadt - Nuremberg  
105.000 vehicles per day
- **Traffic jam** Munich - Ingolstadt - Nuremberg  
500.000 vehicles per day
- > 310.000 **cars registered** in Ingolstadt Region



High need for new concepts of urban and inter-urban mobility.

# Urban mobility hot spots



**Airbus  
Defence & Space**  
Center for Unmanned Aerial  
Systems (UAS) in Manching

**„First Mile“**  
Test track for network- and  
sensor-technology in urban  
traffic systems



**brigk**  
Start-up center for digital  
business models and  
innovative technologies

**Research center  
for artificial  
intelligence**



  
**AUDI and  
suppliers of  
automobile industry**  
Backbone and engine of  
regional Economy

**CARISSMA**  
Germany's research  
center for integrated  
safety systems and  
autonomous driving



**Test track for  
autonomous  
driving**

**Fraunhofer**  
Center for  
connected mobility and  
infrastructure



**INthe Air**  
Sining ceremony  
Manifesto of Intent



Ingolstadt is on the way to get Bavaria's Centre in Smart Mobility Services.

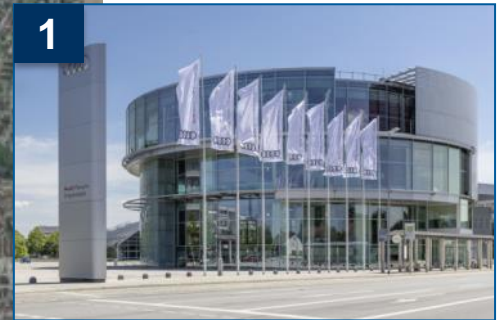


- Fast
- Simple
- Sustainable

© Italdesign

## HUB 1

Ingolstadt Audi AG  
Business area



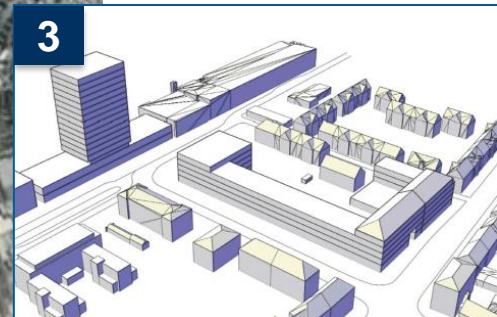
## HUB 2

Ingolstadt Nordbahnhof  
Central district and connection  
to regional railway system



## HUB 3

Ingolstadt Main Station  
Connection to high-speed  
railway ICE





## Phase 1



*Pilot-HUB  
in Ingolstadt*

## Phase 2



*Core-HUBs  
in Ingolstadt and Munich*

## Phase 3



*HUB-Network*

The HUB-Network will cover 6 million inhabitants and has a GDP of over 300 billion EUR (80 km Radius Ingolstadt).

## Stage of development 1



*Electric helicopter with pilot*

## Stage of development 2



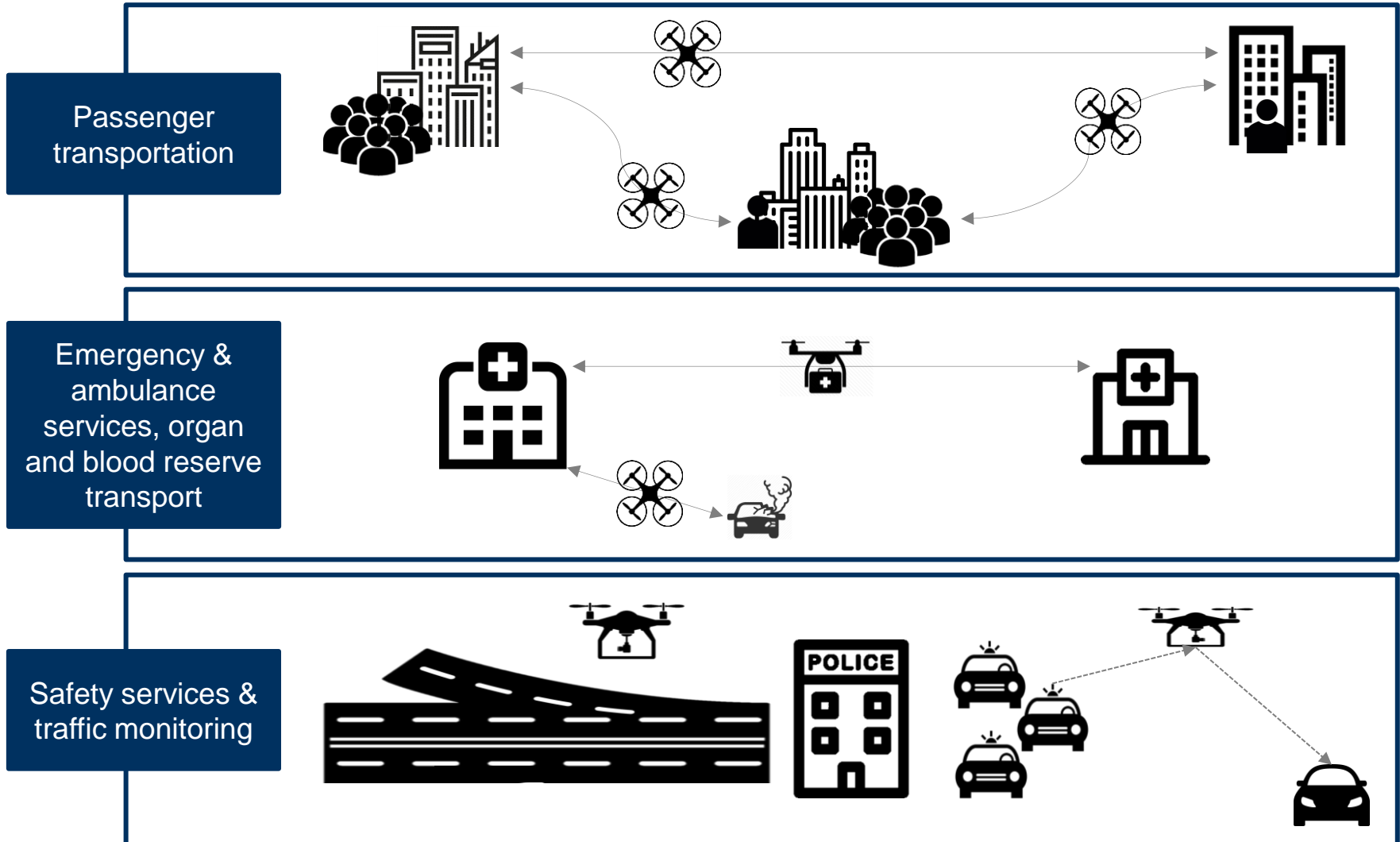
*Autonomous areal vehicle*

## Stage of development 3



*Flying cars*

From helicopters controlled by pilots to autonomous flying cars.



# Signing ceremony Federal Government 20.06.2018, Berlin



*Christian Lösel*

Dr. Christian LÖSEL  
Stadt Ingolstadt

*Grazia Vittadini*

Grazia VITTADINI  
Airbus Defence und Space GmbH

*Dorothee Bär*

Dorothee BÄR, MdB  
Staatsministerin für Digitalisierung

*Andreas Scheuer*

Andreas SCHEUER, MdB  
Bundesministerium für Verkehr und  
digitale Infrastruktur

*Abraham Schot*

Abraham SCHOT  
AUDI AG

# Signing ceremony Bavarian State Government 19.06.2018, Munich



© StMWi

# Support



Federal Ministry  
of Transport and  
Digital Infrastructure

Bavarian State Ministry of Economic  
Affairs, Energy and Technology



Bavarian State Ministry  
of Housing, Building and Transport



Bavarian State Ministry  
for Science and Art



Bavarian State Ministry  
of the Interior and for Integration



**AIRBUS**



 **Fraunhofer**



  
Technische Hochschule  
Ingolstadt



 **Munich  
Airport**

Extensive support network with partners from industry, research and government.



## City of Ingolstadt

Directorate

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## Kick-off Workshop

**Wednesday, 25th of July 2018**

**Town House Ingolstadt**