



Personal dir Quality Monitor

Life is too short for toxic air

Problem Definition

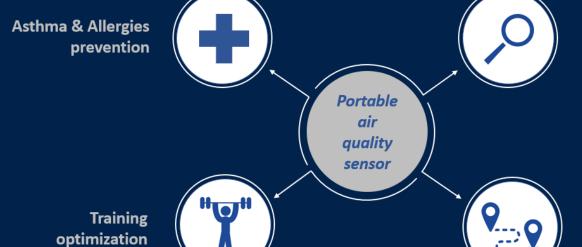
SCIENCE HACK

- nontransparent knowledge of pollutants in cities
- only around 500 measuring stations in whole Germany
- not in real time
- stationary
- expensive
- not personal



Applications





Pollution monitoring & warning for citizens

"Green" route planning

Solution

- Portable air quality sensor
 - o tailored for your own needs
- Partnership with companies
 - health insurances
 - manufacturers of sports equipment
 - fashion producers
 - o electronic producers
- Real-time database of all sensor re
 - Mobile app
 - WebApp



Value proposition



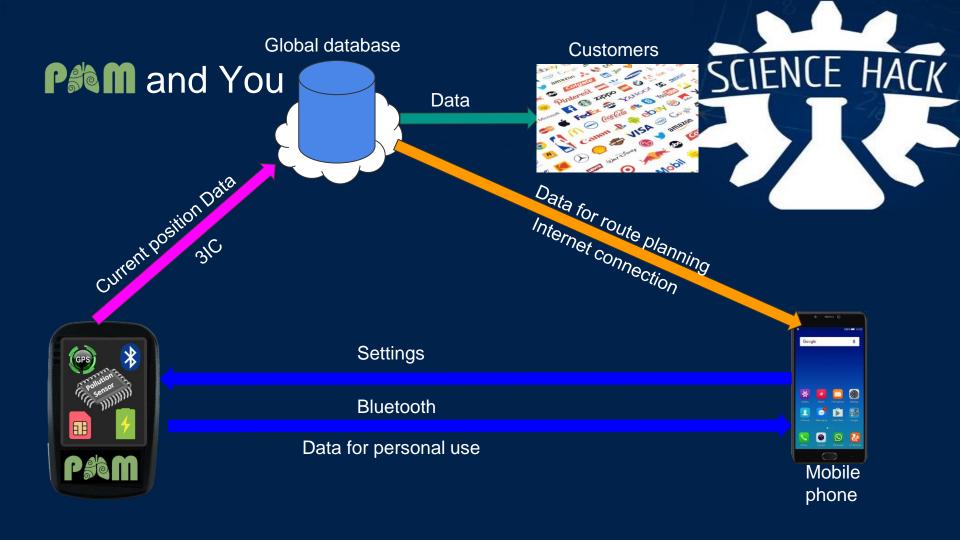
- Costs: € 14,7 billion for the public health sector
- ~180€ per person per year
- 12.3% of deaths as a result from respiratory illnesses

Public services and health insurances have an **economical** incentive to prevent respiratory illnesses

Hardware Setup







Main Customer Product



Case Study: Patients with Asthma

Early warning and prevention.

- prescription from doctor
- alerts at the current location
- Route planning to avoid danger



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Business model





transmits





purchase

access





Subsidies



alerts on Pollution alerts on Pavigation

Future Development

- Integrating sensor into smart devices
- Mass production to reduce costs
- Measurements in water will be possible soon
- Installing sensor into drones for research purposes











Summary

air pollution is a big issue for billions of people world wide

- high demand
- partnerships
- capital
- save lives
- revolutionary









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