Personal Air Quality Monitor

Life is too short for toxic air
Problem Definition

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

- Asthma & Allergies prevention
- Pollution monitoring & warning for citizens
- Training optimization
- "Green" route planning

Portable air quality sensor
Solution

- Portable air quality sensor
  - tailored for your own needs

- Partnership with companies
  - health insurances
  - manufacturers of sports equipment
  - fashion producers
  - electronic producers

- Real-time database of all sensor readings
  - 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
Business model

Data Base

buy data

transmits

purchase

access

subsides

alerts on pollution
green navigation
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 worldwide.
- High demand.
- Partnerships.
- Capital.
- Save lives.
- Revolutionary.
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