Cloud Control

Team Gezellig

Better Air Quality Transparency

Making cities and citizens smarter about air pollution.

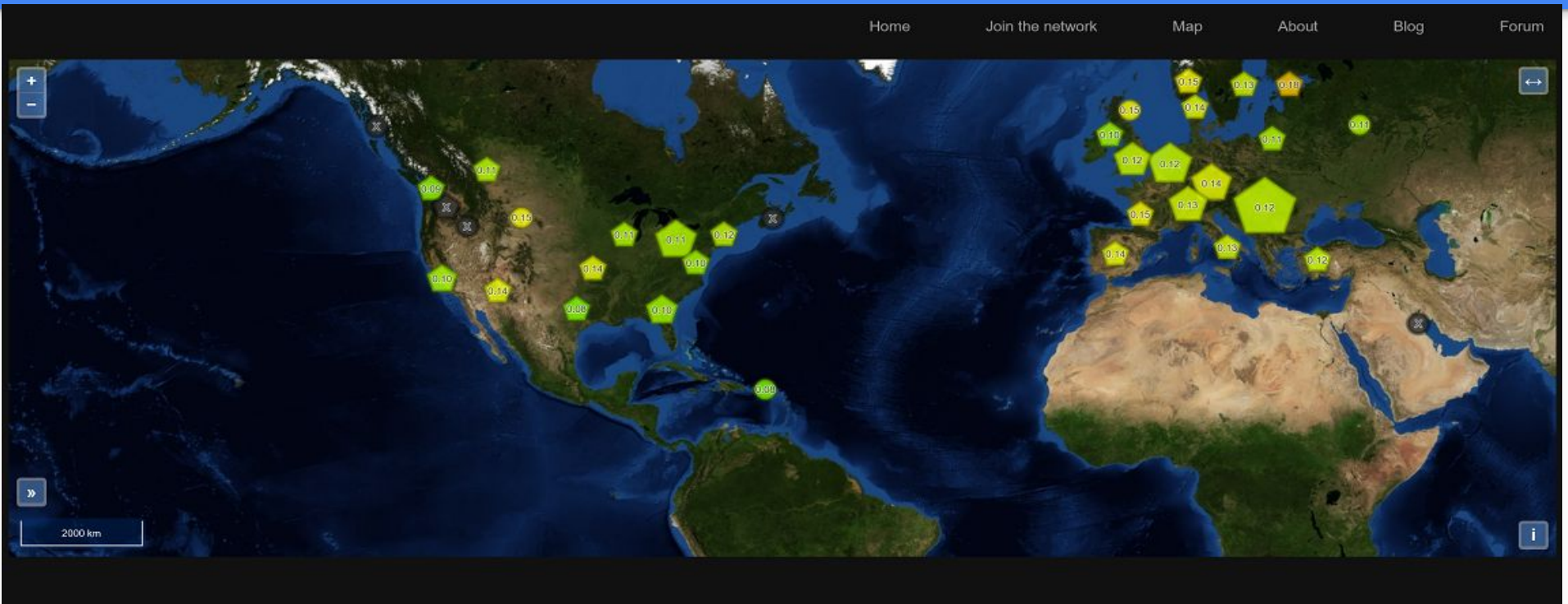
Problem: Air quality monitoring is not:

- **Convenient and easy**
- **Transparent**

Problems with current Infrastructure

- Unknown source of monitoring
- No control over monitoring
- Unknown sensitivity of varied devices
- No good access to data for developers and citizens

Existing Infrastructure



Existing Infrastructure

Current solutions have good intent but lack widespread adoption

Cloud Control Solution

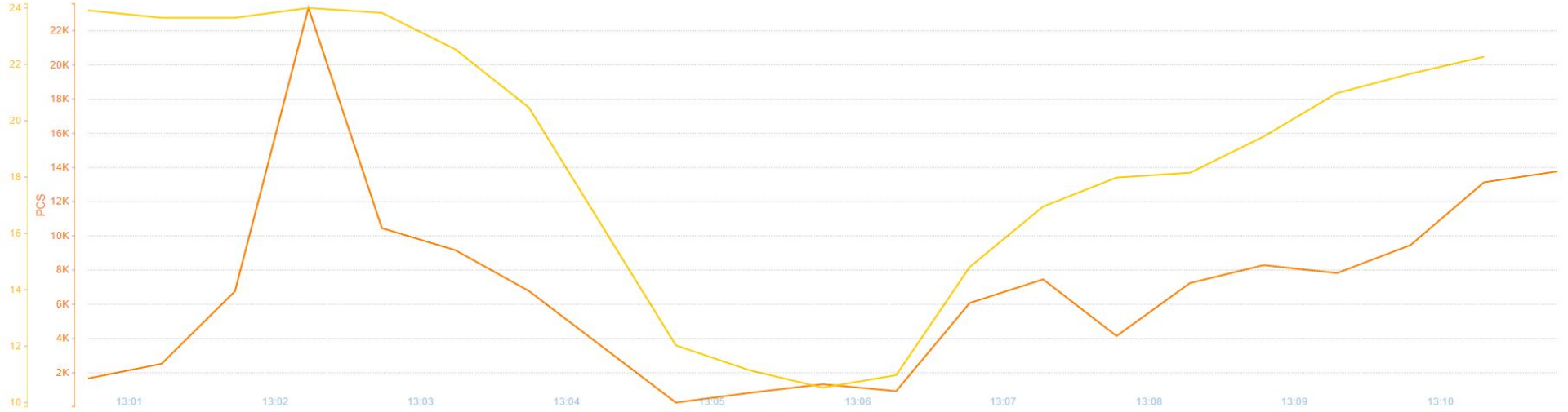
Edison Cloud Control Device

Our new product offers compelling features provided by low cost, portability, and cloud connectivity:

- Small and lightweight; stationary or mobile for bike or drone
- Availabile to anyone with automatic cloud networking
- No more reliance on official university or governmental agencies
- Consume little battery; easily powered by cell phone chargers
- Extremely accurate dust and smoke detection, down to PM1.0
- Immediate feedback online for all devices, offering immense cloud development applications

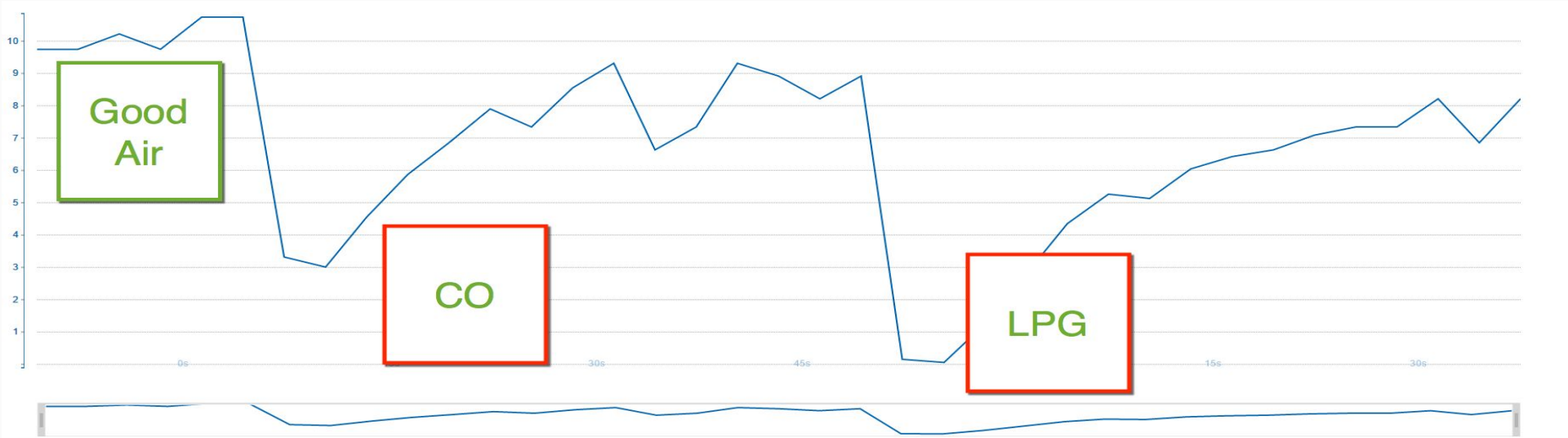
Example Readings from the Cloud

A-Lab Indoor and Outdoor variations **Temperature and Particulate Count**



Example Readings from the Cloud

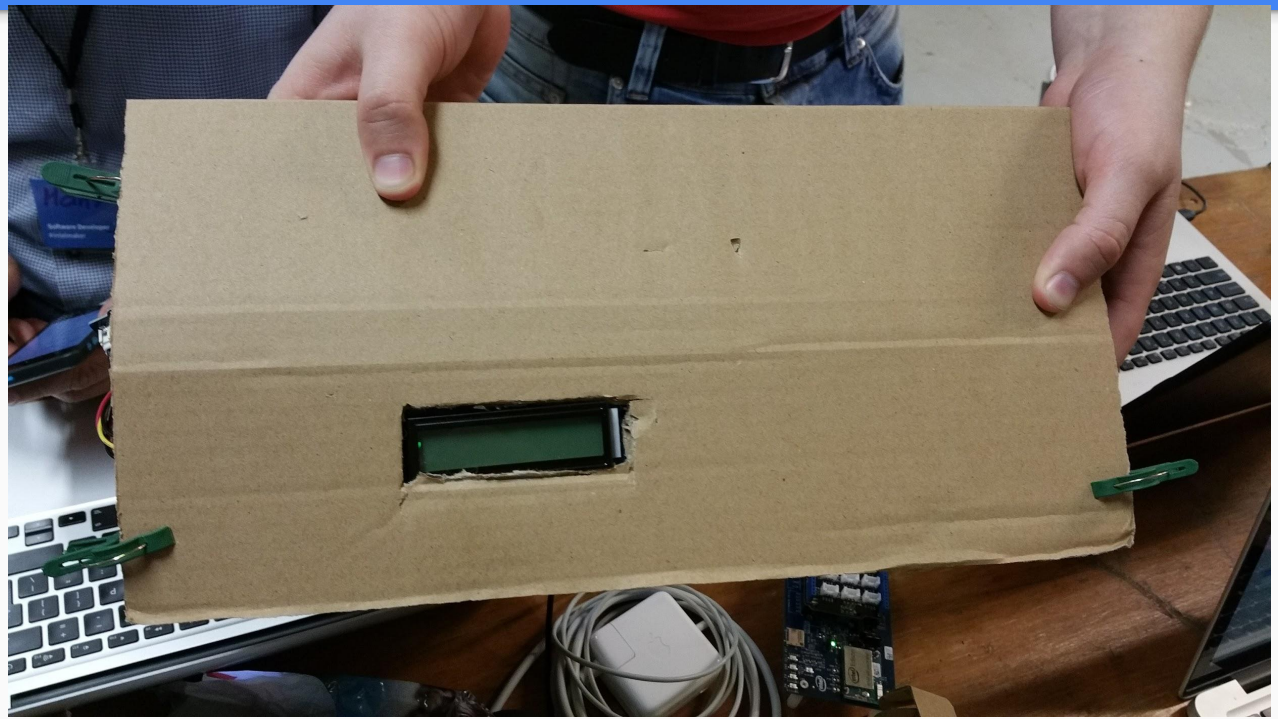
Gas and CO2



Cloud Applications

- Cloud Portal integrated with Twitter for any citizen’s instant feedback on mobile location
- Notifications to citizens and policy-makers about elevated levels
- Indoor monitoring while away from home
- Better crowd-sourced networked air quality monitoring
- Developer APIs for IoT pollution data

Cloud Control Solution



Future Plans

Additional sensors for overall Quality of Life monitoring:

- Pollen
- Humidty
- Noise Pollution
- Bike Lane environmental control for well-rounded environment models:
  - Road repair
  - Geographical pollution feedback