

# Internet O<sub>2</sub>f Molecules

Pehutec and Pehutec assisted IoT

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Jan Pauve

# Pehutec and China – here signing in Chongqing



## Who we are

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- A **design services** company
- **Software** – embedded, apps, cloud, ...
- **Hardware** – system, schematic, layout
- **Mechanics** – system parts and casings

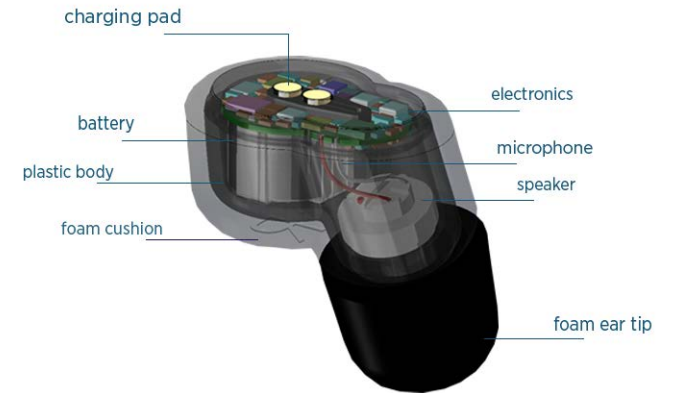
## How we do it

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- We provide **resources**. Extend your team with (wo)manpower and niche competence
- We take you **from idea to realization**.  
Multidiscipline projects from feasibility study to production ready
- We can help you **develop your own processes**

# Where we play

- **Wireless.** E.g. protocol SW for 5G, NB-IoT chipsets
- **Medical.** Certified to ISO13485. Eyes, heart, blood, wellbeing devices
- **Industrial.** Monitor your process!
- **IoT.** Standard and custom solutions for all above segments

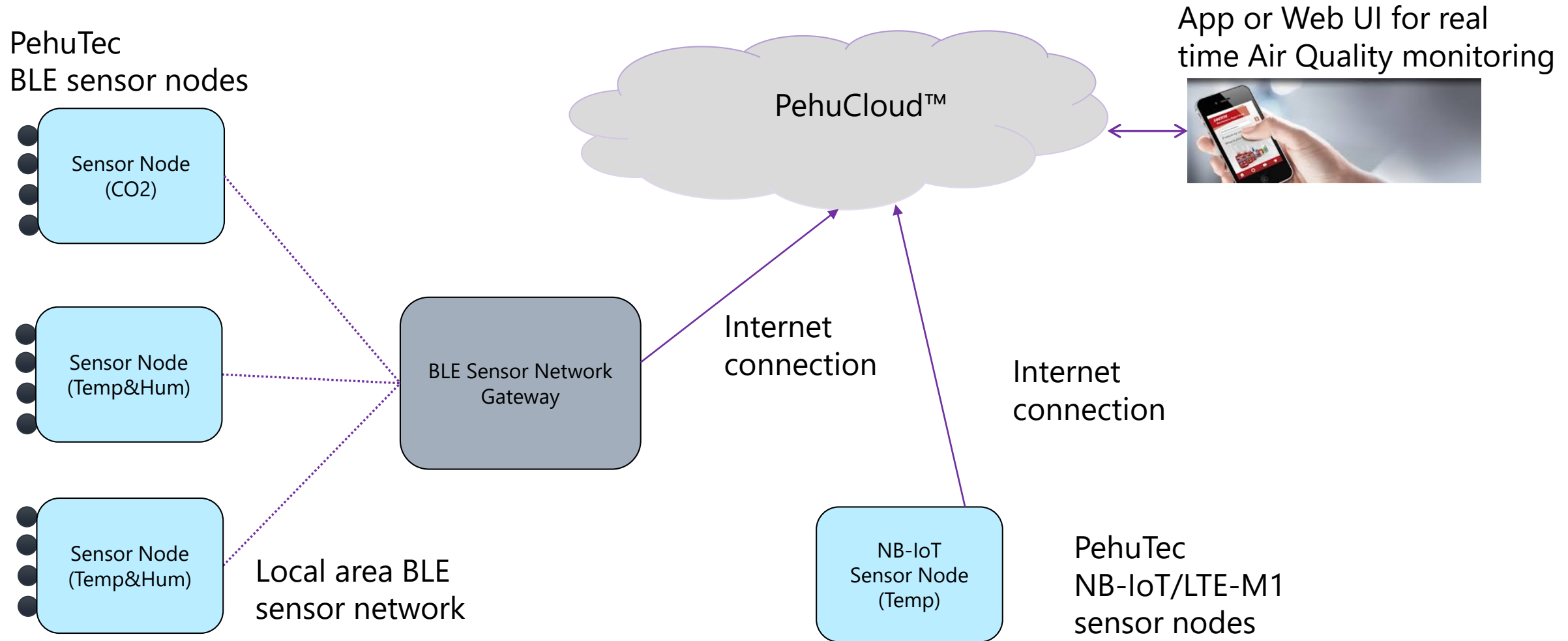


# Internet O<sub>2</sub>f Molecules?

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- Pehutec platform applied to indoor air quality
- Pehutec customer platform applied to... intriguing solid state molecules

# Pehutec Air quality monitoring System Architecture





# This is how it looks





# From sensor...

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# ...to the PehuCloud

PehuCloud Home

Login Register

## PehuCloud

Internet of Things data platform for temperature and humidity sensors with maps



### Setup

Connect any kind of IOT sensor devices and start monitoring anything you want!



### Data

Sensor readings are stored in the cloud. Data visualization through various graphs that feature Live, daily and monthly readings.



### Alerts

Customize your sensor's rules. If temperature or humidity is above or below limits, or batteries are low, you will receive a message via SMS or email.

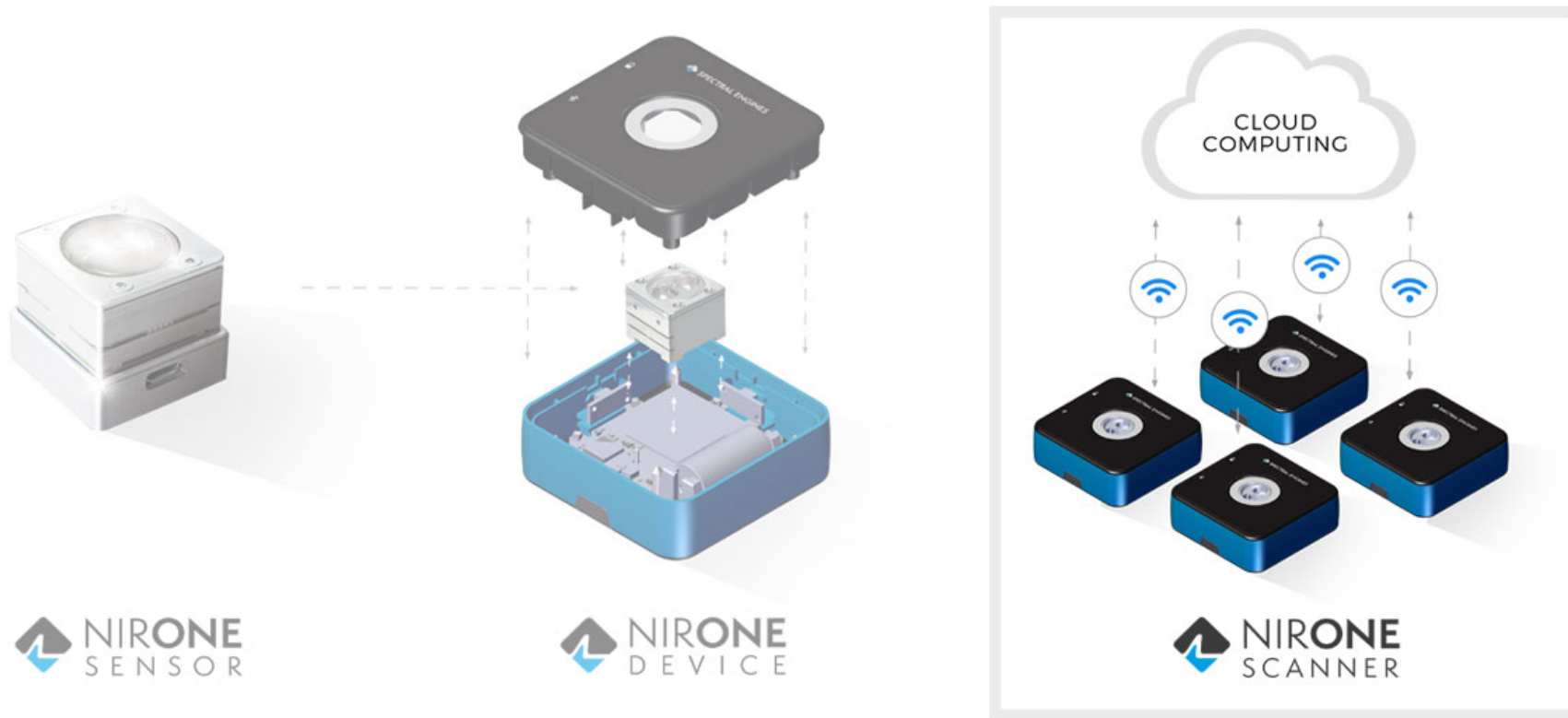


### Maps

If you have more sensors at your house or at some location, you can use Google maps or create custom ones to make monitoring easier.

# Pehutec assisted IoT – case Spectral Engines

**Spectral Engines and PehuTec in strategic R&D co-operation in complete E2E material sensing IoT solutions development**



# From Cookie carbohydrates to Coke...

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Picture source:  
Local newspaper  
Kaleva yesterday

# Introducing

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Pehutec says Thank You and introduces:

Aleksi Ukkola,  
Product Manager

