



sHike

Who is Si14



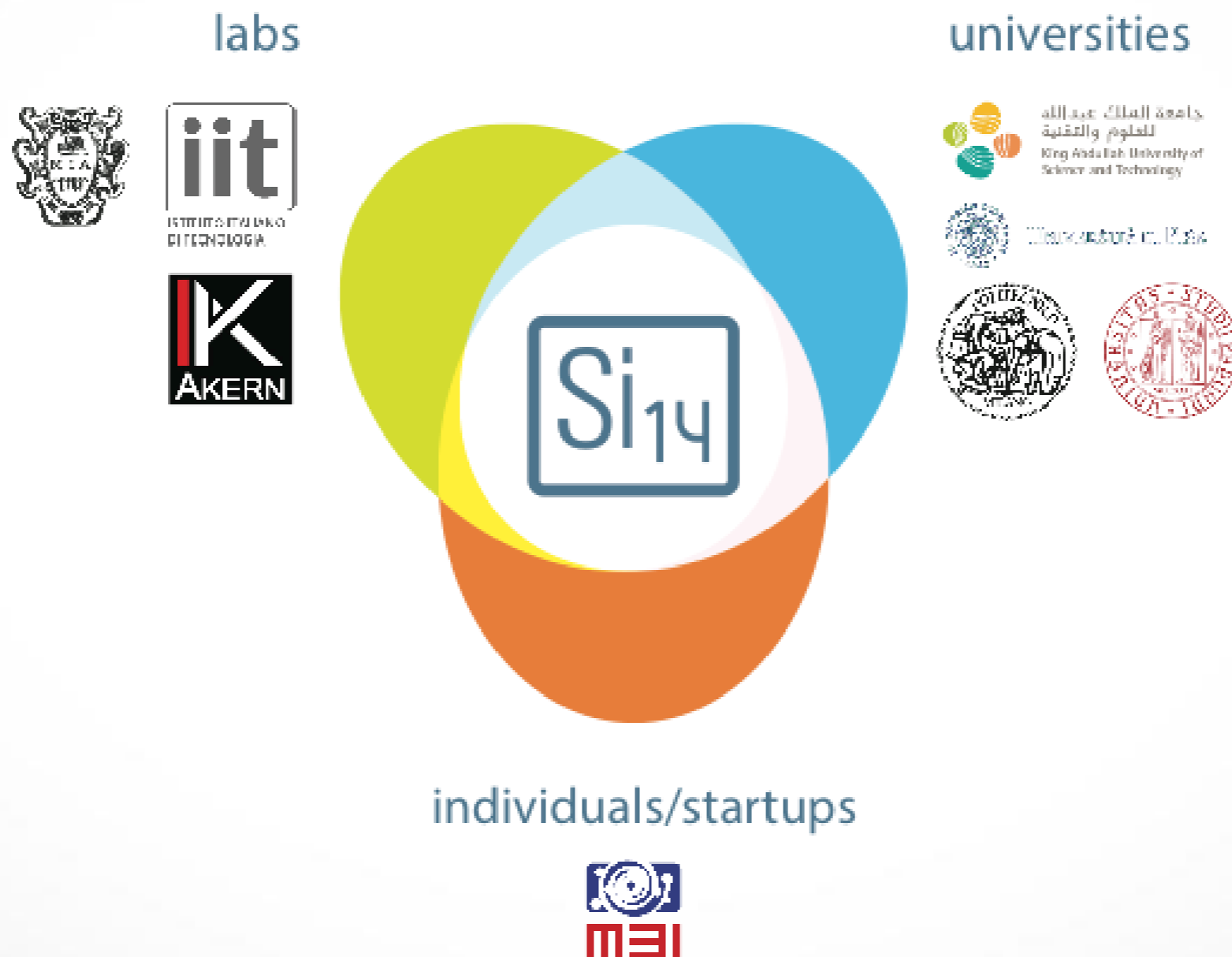
Si14 is a high-tech engineering company, turning ideas into new generation products.

In particular Si14...

From raw research to realization, Si14 creates products that drive development of new markets and collection of new type of data.



Continuous generator and locator of disruptive ideas





sHike

A Novel Platform for
Smart & Safe Hiking

sHike – the Scenario

Every year millions of tourists visit the Alps or other Italian mountain resorts and hiking locations to have a nice and relaxing experience hiking the mountains.

But they...

- *stay for very short times – gaining little or no location knowledge*
- *often don't know about local uses, dangers and location specific characteristics*
- *mostly have no physical preparation*
- *don't know about mountain weather*
- *don't come with adequate information and preparation on shelters, food points, ...*
- *don't know about rescue services*
- *sometimes come with children*

sHike – the Problems

Dangers that can change a planned good hiking experience into a nightmare requiring the help of rescue services

- *Getting lost or with no orientation*
- *Getting tired / exhausted*
- *Accidents / hurts / natural dangers*
- *Caught by sudden bad weather*
- *Caught by sudden cold weather*
- *Running out of food / water*
- *Finding nobody to get help from*
- *etc*

sHike – Solution

Providing hikers with a wearable device helping them planning and enjoying their hiking experience providing useful information and with continuous monitoring of local weather conditions & their physical status.



WEARIT



A smart **cross functional platform** with **cloud** capabilities
for sport, for work, for life...

WEARIT

WIFI

Bluetooth
BTLE

ANT+

RFID



Android
4.4 Kit Kat

Standalone
Master
Device

Sports, Life,
Work
Enterprise
Apps

Connect to 3rd sensing and monitoring devices.

Install your favorite Android Apps or Create Your Own
to personalize your WearIT™

sHike – the Platform



Cloud ↔ User flow

- At home Users can see their hiking data and performance through their web browser



WearIT Cloud ↔ Device Flow

- sHike Cloud App sends maps / information / weather status to sHike WearIT App
- sHike WearIT App sends sensor data, GPS location, speed, cadence to sHike Cloud App.



WearIT Device ↔ User flow

- WearIT device gathers data on the user GPS position, hiking cadence, status.
- User requests information.
- WearIT device sends info to the user on requests or alerts (weather)

sHike – What are we requesting to you

- **Android 4.4.2/WearIT App for a Smart and Safe Hiking Experience (Mandatory)**
- **Cloud App for the WearIT Portal matching the App (Optional)**
- **Any other App you think may be useful for enhancing the Smart Hiking Experience (Optional)**



sHike – What will be available to the team

- **WearIT Engineering Prototype**
- **WearIT / Android 4.4.2 SDK**
- **Developer «Walkthrough»**
- **WearIT API Documentation**
- **WearIT Cloud API Documentation**
- **JSON Schema Example**
- **Startup Course**
- **Link to the development team**



sHike – Technical Data

- Cortex A8 600MHz CPU
 - 256MB RAM / 4GB Flash Storage
 - 240x240px Color Display
 - Multitouch screen
 - Wifi, Bluetooth, GPS, USB
 - Onboard sensors
 - Charging Clip
-
- Android 4.4.2 with official SDK
 - WearIT Android API
 - JSON Schema
 - Spring Framework (Cloud)
 - WearIT Cloud API



A man and a woman are on a rocky cliff overlooking the ocean. The man is standing on the left, wearing a white t-shirt, dark shorts, and a large black backpack. The woman is sitting on the right, wearing a patterned tank top, denim shorts, and a black backpack with a rolled-up green mat. Both are looking out over the ocean. The sky is blue with some clouds, and the water is a deep blue. The word "Questions?" is written in large, bold, black letters in the upper right corner.

Questions?

Thanks

