IoTracking

GPS tracking for boat regattas

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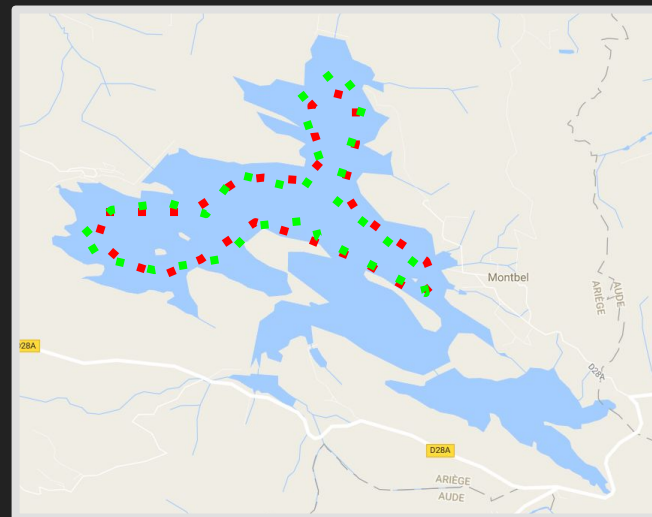**5-ISS**

The client

Collaboration with an association

For : Léran sailing ship's club (CVRL)

Ariege / Montbel Lake

Our team
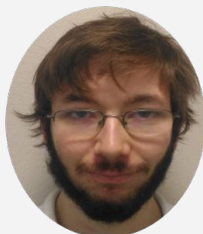
ALVAREZ Josué
I

Skills:
Software Engineering
Networking
Embedded systems

ANAK STELL Cyril
RT

Skills:
Network Routing
C/C++/Java
Arduino/Galileo

CHAUVIN Axel
IAE

Skills:
Management
Agile development
Business development

DIOP Aminata
RT

Skills:
Network
Telecommunications
Java/C/Arduino

DUTHOIT Cécile
RT

Skills:
Telecom &
Network
C/C++/Java/Arduino

MJELSTAD Linn
AE

Skills:
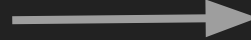Electronic
Embedded system
C++/Javascript

OUEDRAOGO Clovis
RT

Skills:
Electronic
Embedded system
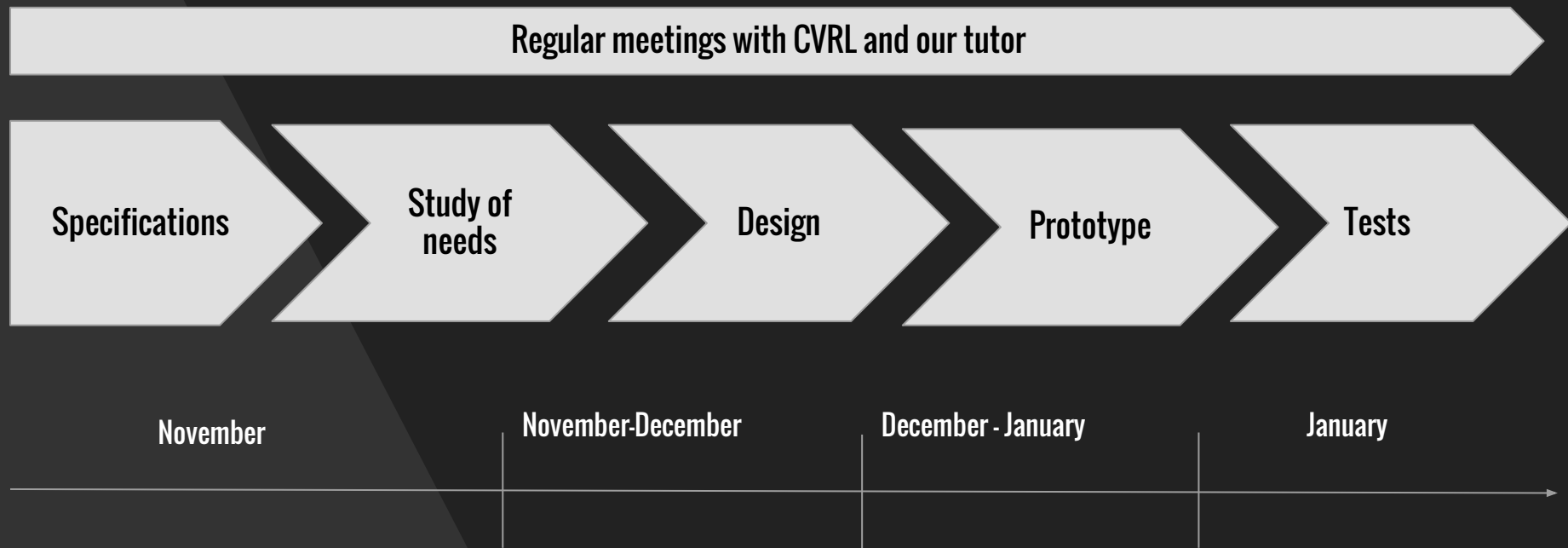Arduino/Java

1. Context and Goal

Context and Goal

Follow the evolution of the boats during the regatta

GPS Tracking

Context and Goal

Regular meetings with CVRL and our tutor

| Specifications | Study of needs | Design | Prototype | Tests |

November

November-December

December - January

January

2. Needs, specifications and requirements definitions
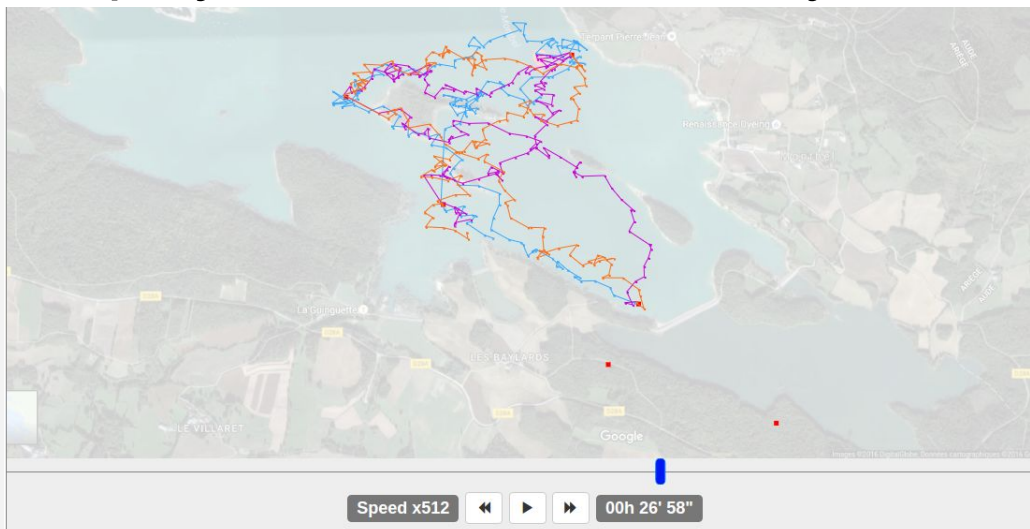
Client needs

Main features

- Real-time race display (smartphones, tablets).

Main features

- Deferred replays and race data analysis.

Client needs

Main features

- Easy setup and integration with existing tools (freg)
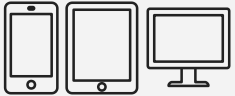
Client needs

Constraints

No dependency on the Internet

Low cost

Compatible with all devices
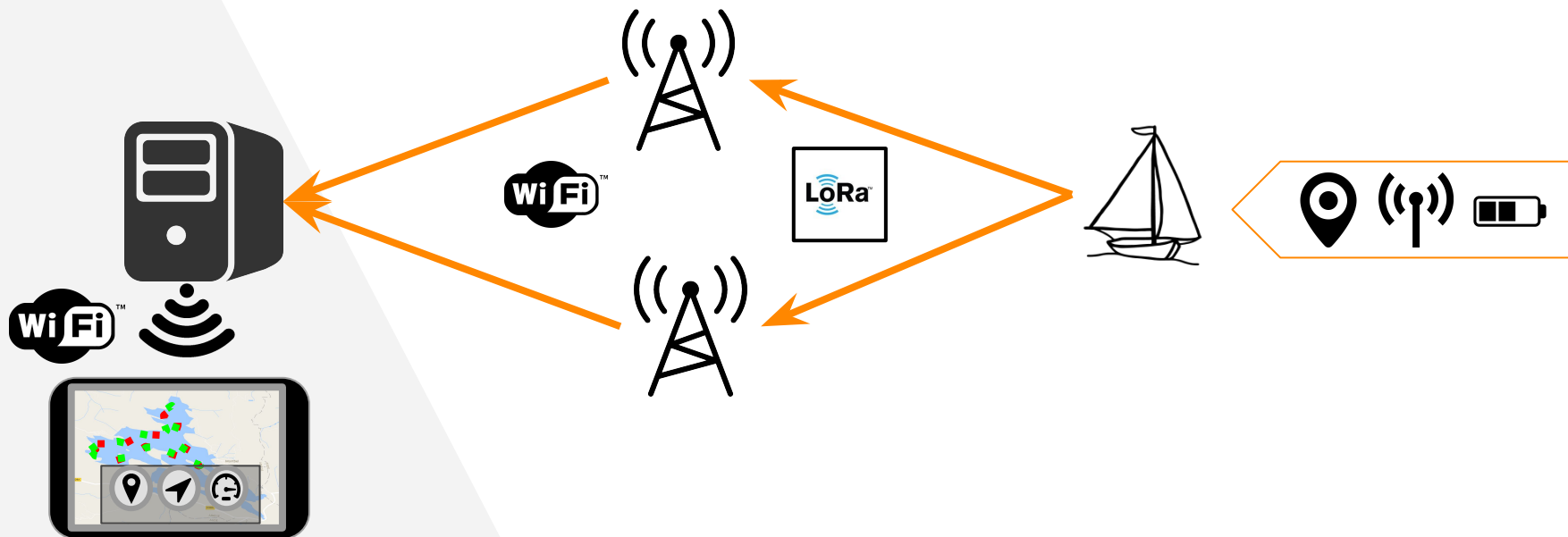
Portability of the system

3. Technical Analysis

Our solution

Self-hosted netserver　　**Custom Gateways**　　**LORA Devices**

What sets us apart

Low-Cost

Mobile

No need for network coverage

4. Business Analysis

Business Analysis – 1

Value Propositions	Customer Relationships	Customer Segments
Enhanced experienced during events	Technical support after sales	1st step: Low budget sailing club: CVRL
Cheap GPS tracking solution + intuitive user interface	**Channels** Sailing club community in France: FREG	2nd step: Trail enthusiasts

Business Analysis – 2

Key Partners	Key Activities
CVRL association + INSA Toulouse	R&D + Sales
Sodaq + Snootlab	**Key Resources** $$$$ + Human Resource

5. Social Acceptability

Social Acceptability

1. Identify the reluctance of residents and users

   ▸ Effect of WiFi radiation on health

   ▸ Cost of solution

2. Creating social acceptability based on dialogue with the public

   ▸ According to WHO Fact sheet N°193, Reviewed October 2014 :
   To date, no adverse health effects have been established as being caused by mobile phone use.

   ▸ Regata more interesting = more participants × more money
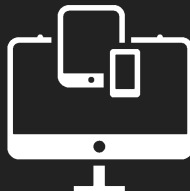
So ?

WHAT ?

Funnier

Popular

More visible

HOW ?

WHEN ?

First tests on the 15th !

The first 90% of a project takes 90% of the time the last 10% takes the other 90%.

THANKS!

Any questions?