



A POLLON eManufacturing Pilot (WP4)

How can Living Labs help SMEs to get together
across different countries?

Work Package 4 Overview

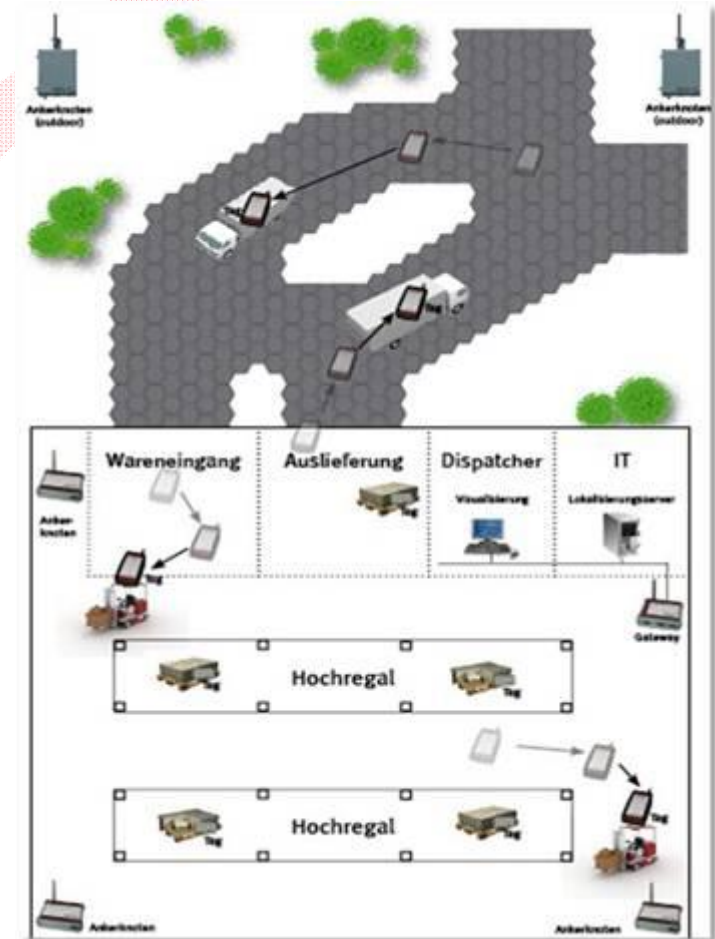


This work package aims to do a pilot of the cross border network of Living Labs in the manufacturing domain. Thus, this experiment focuses on:

- Initiation and improvement of collaboration amongst selected trans-national SMEs such that they can produce as well as consume each others' services
- Moreover, potential inter-SME activities will be stimulated that are of benefit to all stakeholders (SMEs, Living Labs, and the local economy).
- Together with SMEs the work package will also focus on development of additional, relevant services in the domain. This will enable to assess the methods on involving SMEs as well as the inter-Living Lab collaboration.

eManufacturing Experiment challenges

- An 'App Store' around a manufacturing platform: link up machines, sensors, etc.
- SMEs can add or mash up these services to new innovative apps
- Test them in live 'Living Lab' factories
- Deployment at customer site



eManufacturing Experiment setup

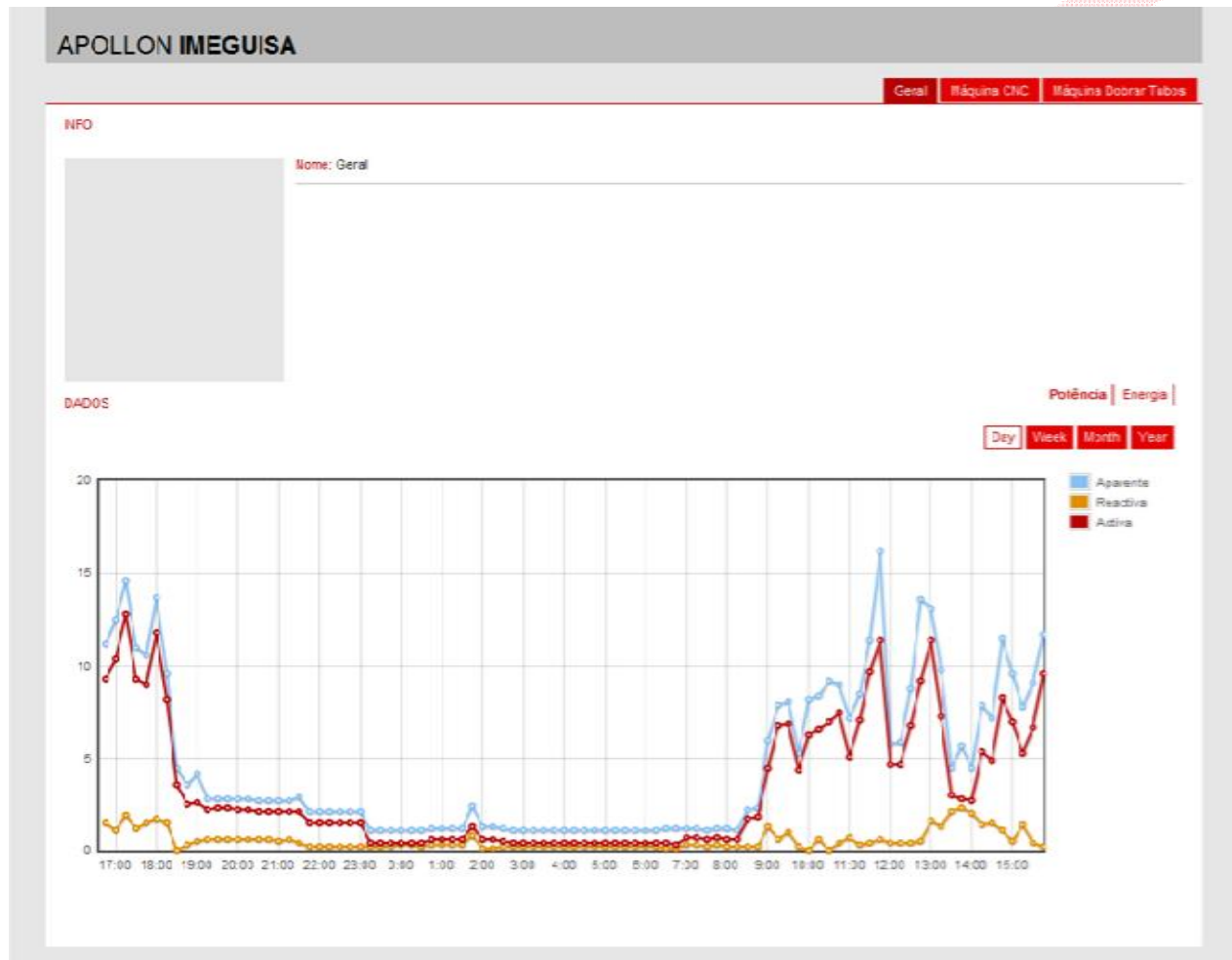
- Deployment and implementation of a middleware for device integration (MDI) in order to realize two use cases
 - Energy Monitoring
 - Asset Viewing
- Portuguese SMEs **Imeguisa, and CENI** are acting as **service consumers** who need the MDI
- Portuguese SME **Ydreams** gained **knowledge and experiences** in **using MDI** and was **in charge to implement the MDI platform**
- **Transnational interaction** mediated by **german LL of SAP Research** and **portuguese LL Fiapal** to educate **portuguese SMEs on MDI**

APOLLON WP4 results

Energy Monitoring Use case



@ IMEGUISA



APOLLON WP4 results

Asset viewing and management



@ CENI



APOLLON eManufacturing results



- Use cases technically completely setup
- Collaboration went perfectly during the use case setup and implementation phase
- Collaboration platform requirements for B2B relationships collected
 - Marketplace appearance
 - governmental regulations to be considered

eManufacturing Findings so far



Business relevant results:

- Vital and intensive networking is a “MUST HAVE” to enable consistent collaboration: **starting with a blueprint of the use case followed by a conceptual design** / prototyping and finally ending in a running pilot.

eManufacturing partners are now focusing on collaboration platform capabilities that support:

- Business identification
- Business generation

It's not a challenge to run projects/businesses if you already know each other – **THE challenge is to get to know each other and to get to know that you can get/sell great technologies to others that are not just around the corner!!!**