



# Présentation du projet EMPOWER

11/05/2017



# Objectifs du projet



Nine regions in EMPOWER works on the exchange of good practices on dynamically monitoring energy efficiency in buildings, with special focus on the use of innovative financial instruments, in order to achieve more carbon reduction.



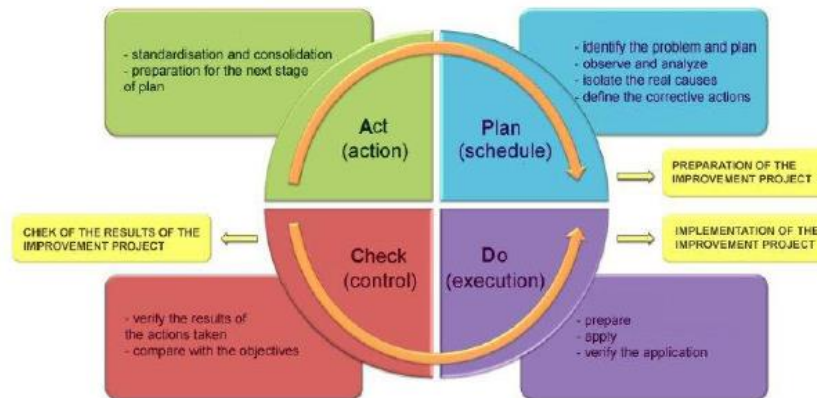
## EMPOWER PROJECT

The EMPOWER project innovatively addresses two urgent challenges in European cities and regions: the opportunity to reduce CO<sub>2</sub> emissions from buildings using new technology and better management, and the need for more investment to meet the EU's CO<sub>2</sub> reduction targets.



# Objectifs du projet

## GOOD ENERGY MANAGEMENT



Picture source:  
<https://www.linkedin.com/pulse/pdca-plan-do-check-act-hassan-el-meligy-msc-mdx-uk>

**EMPOWER PROJECT**

ISO 50001:2011 provides a framework of requirements for organizations to:

- Develop a policy for more efficient use of energy
- Fix targets and objectives to meet the policy
- Use data to better understand and make decisions about energy use
- Measure the results
- Review how well the policy works, and
- Continually improve energy management.

Source:  
<http://www.iso.org/iso/home/standards/management-standards/iso50001.htm>



# Partenaires

## Partnership



Lead Partner Partner

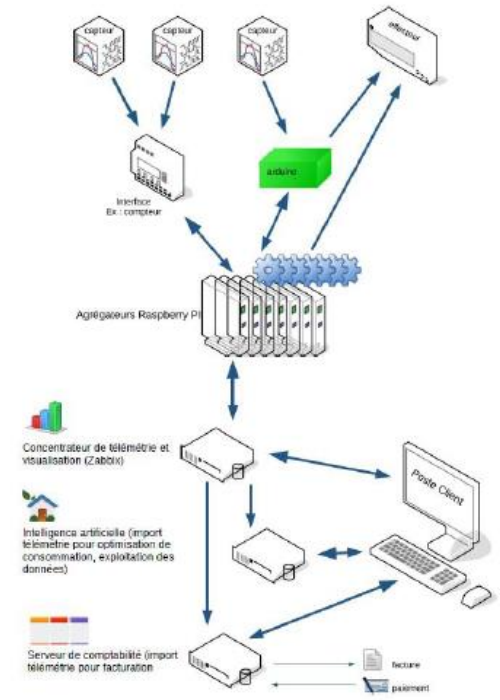


# Travail mené par Lorient



## Short description of the policy you will be working on


- Lorient will work on the monitoring system of energy consumptions and renewable electricity production, by using a **free software infrastructure**.
- It will implement this infrastructure by local stakeholders (social landlords, private stakeholders, other public stakeholders).
- It will work at regional level also





# Travail mené par Lorient (2)

← → ↻ 🏠 [agenda21.lorient.fr/dokuwiki/doku.php/good-practice-register](http://agenda21.lorient.fr/dokuwiki/doku.php/good-practice-register) ☆

 Développement durable - Lorient


[S'enregistrer](#) [Connexion](#)

[Derniers changements](#) [Gestionnaire de médias](#) [Index](#)

Piste: · start · [good-practice-register](#)

good-practice-register

EMPOWER PROJECT



**Good practice register**

This good practice register is developed to ensure coordination as to content and publication. The good practices are collected from the partner regions. The content are accessible and can be modified by all project partners.

The register is divided into five categories which are the following:

- [Measurment devices](#)
- [Software](#)
- [Financial tools](#)
- [Ergonomy](#)
- [Project management](#)

[Modifier](#)



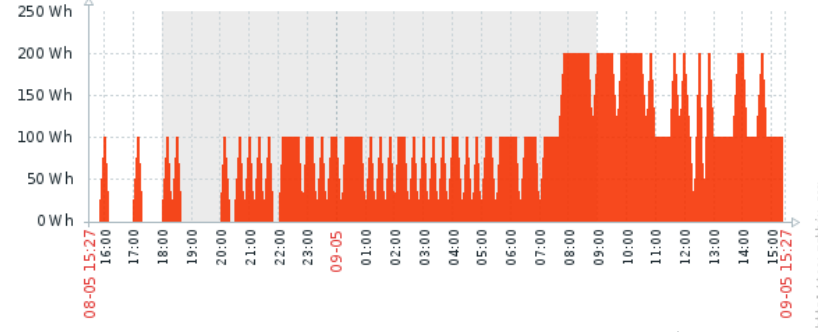
# Premiers résultats

lorientdl-graph.liberasys.com/screens.php?ddreset=1

« 1a 6m 1m 7j 1j 12h 1h 5m | 5m 1h 12h 1j 7j 1m 6m 1a »

1j fixe

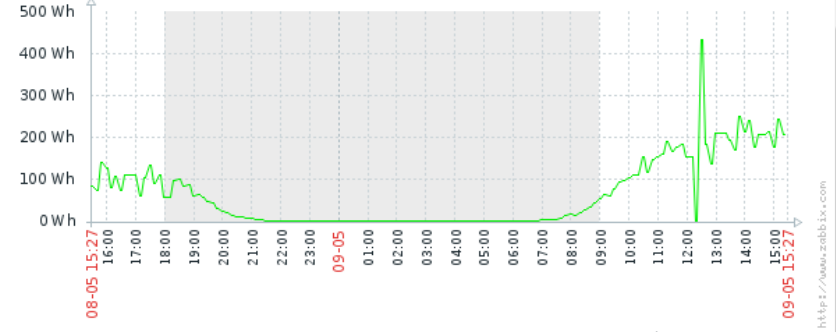
dl-kermelo.lorient.fr: Consommation totale (kWh) - delta 10 minute ramené à la minute (1j)



■ Consommation totale, delta 10 minute ramené à la minute (Wh) [moy] dernier 100 Wh min 0 Wh

Données de history. Générées en 0.05 sec.

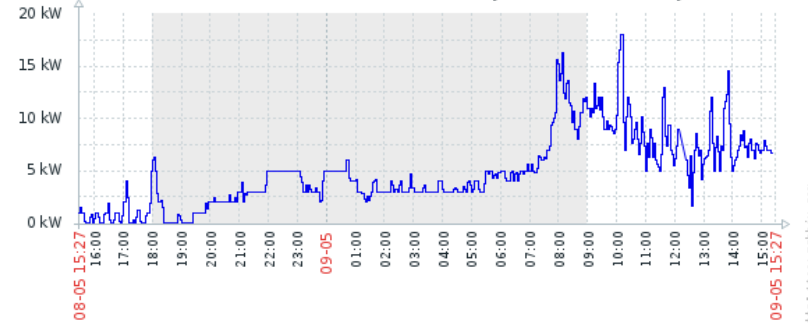
dl-kermelo.lorient.fr: Production (delta ramené à 1mn) en kWh (1j)



■ Production totale : delta 10 minute ramené à la minute (Wh) [moy] dernier 206.7 Wh min 0 Wh

Données de history. Générées en 0.08 sec.

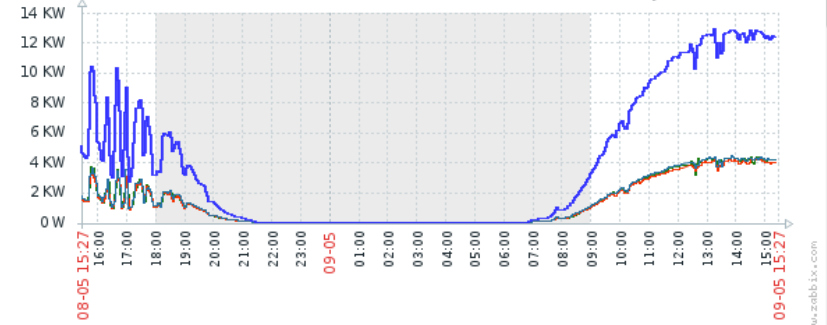
dl-kermelo.lorient.fr: Consommation moyenne 1mn (W) (1j)



■ INDEP\_TARIF / Puissance active moyennée sur 1 mn [moy] dernier 6.67 kW min 0 kW moy 4.81 kW

Données de history. Générées en 0.13 sec.

dl-kermelo.lorient.fr: Production instantanée en W (1j)



	[moy]	dernier	min	moy	max
■ Onduleur1: wattsNow	4.17 KW	0 W	0 W	1.24 KW	4.39 KW
■ Onduleur2: wattsNow	4.03 KW	0 W	0 W	1.19 KW	4.22 KW
■ Onduleur3: wattsNow	4.16 KW	0 W	0 W	1.26 KW	4.46 KW
■ Somme onduleurs 1+ 2+ 3 : wattsNow	12.38 KW	0 W	0 W	3.76 KW	12.93 KW

Données de history. Générées en 0.22 sec.