

**«JAPAN INNOVATION THROUGH INTERNATIONAL COLLABORATION  
THE EXAMPLE OF NEDO AND THE LYON SMART COMMUNITY  
DEMONSTRATION PROJECT »**

Christophe Debout  
Project coordinator  
NEDO Europe



# Outline of NEDO (New Energy & Industrial Technology Development Organization)

## Mission:

- Address energy and global environmental problems
- Enhance industrial technology development

**Organization:** Established in 1980; under the Ministry of Economy, Trade and Industry of the Government of Japan

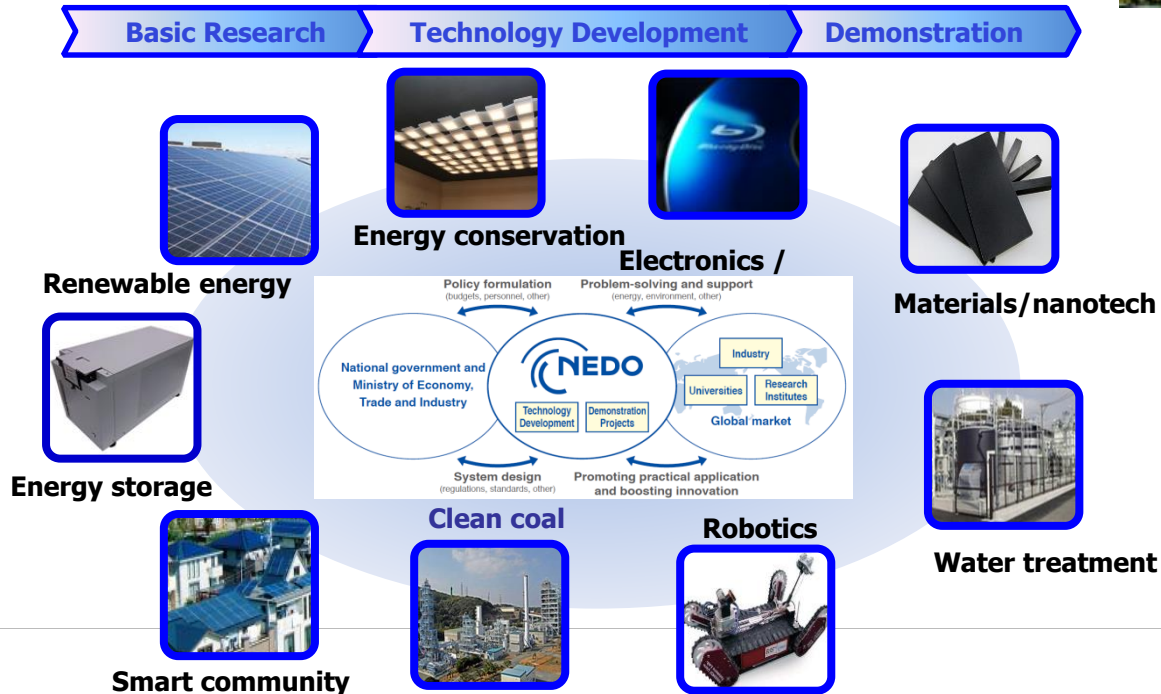
**Head Office:** Kawasaki City, Japan

**Personnel:** Approximately 900

**Budget:** 130 Billion yen ( $\approx$  1 Billion €) (FY2016)



## Technology Fields of Research and Development



# NEDO activities in Europe

**NEDO's Activities in France**  
**Information exchange**  
ADEME 1991 -  
**Joint funding Program**  
Bpi France in 2012 and 2014  
**Demonstration projects :**  
Lyon Smart community project  
Co-working robot

**Speyer (Germany)**  
Establish the local energy production and consumption model smart community



**Manchester (U.K.)**  
Energy switching of heat consumption of households and aggregate energy storage capability



**Bochum (Germany)**  
Medical service robots using the robot suit "HAL (Hybrid Assistive Limb)"



**Malaga (Spain)**  
Navigate EV drivers to charging stations efficiently considering with power system and solve traffic congestions



# LYON SMART COMMUNITY A UNIQUE DEMONSTRATOR IN EUROPE



**Confluence district**, a 76 hectares brownfield land in the center of Lyon, undergoing an ambitious redevelopment plan since 2003.

**30**  
PARTNERS

**50M€**  
BUDGET

**2012- 2017**  
PROJECT DURATION

■ **An model public-private partnership**



# LSC Project Overview

Lyon Smart Community aims to make Lyon Confluence its flagship district in terms of energy efficiency. As well as being a huge human endeavor, this is also a major challenge in terms of planning, architecture, technology and the environment. To take up this challenge, the demonstration will be using Information and Communication Technology (ICT) to control and optimize infrastructure and mobility of all kinds.



## Task4 CMS

Setting up a data analysis and visualization system to monitor energy use by the demonstration As a whole, at a district scale and support the promotion of urban policies.



## Task1

**HIKARI**

Introduction of energy production, storage, and eco-saving state-of-art technologies to realize the positive energy buildings in P-PLOT (HIKARI) to be constructed in Lyon.



## Task2

**SUNMOOV**

Realization of zero emission mobility system with an EV car sharing system powered by renewable energy to solve traffic jam and lack of parking space issues.



## Task3

**Conso Tab.**

Achievement of energy savings in existing houses in Lyon Confluence though visualization system of energy (electricity, gas and water) to reach behavior changes.

# LSC partnership Structure



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**Merci de votre attention  
ご清聴ありがとうございました**

**NEDO website:**

<http://www.nedo.go.jp/english/index.html>

**NEDO Representative Office in Europe**

**10, rue de la paix, 75002, Paris, France**

**Phone: +33-1-4450-1822**

**[debouit@nedoeurope.org](mailto:debouit@nedoeurope.org)**