



# Sharing Energy in the City, 2030

*2030 : Partageons l'énergie dans la ville*

## RULES

Challenge



In partnership with



[www.sharingenergyinthecity.com](http://www.sharingenergyinthecity.com)

## INTRODUCTION

- In 2030, most of us will live in cities, which will need energy for many things, such as housing, food, work, travel, communication and entertainment.
  - In 2030, we will use all available energy sources, including intermittent renewable energy sources, which are expected to count for nearly 25% of all energy produced.
  - In 2030, electricity will be a major source of the energy supply to cities.
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- What do we need to do to develop a sustainable and harmonious society?
  - Which market and non-market products, services or systems do we need?
  - How will this change the way that energy is produced, collected, distributed, used, exchanged and consumed in cities?
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These are the questions underpinning the "Sharing Energy in the City, 2030" challenge, launched by EDF (Electricité de France) in partnership with Dassault Systèmes and APCI (Agence pour la Promotion de la Création Industrielle). What is the best way to share energy in the city in 2030?

All stakeholders must work together in a global, interdisciplinary forward-looking approach in order to take on the complex issues raised by this challenge.

Through this challenge, which promotes a combination of research and creativity, we aim to help potential participants form interdisciplinary teams using the dedicated online community (stage 1) to create projects that can be taken to completion in under 2 years (stage 2) and then, once we have selected the best projects (stage 3), help them to create working prototypes.

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In May 2014, an international jury will select the finalist projects for each of the two categories: "Innovative Solution" and "Collaborative Research" (see article 3.3).

- A prize of five thousand euros (5,000 euros) will be awarded to the best finalist project in the "Innovative Solution" category.
- A prize of one thousand euros (1,000 euros) will be awarded to the best finalist project in the "Collaborative Research" category.
- Work experience (in the form of internships or research assignments) may be offered with EDF R&D or its partners.

Furthermore, in order to further facilitate the creation of working prototypes within the two-year time frame, EDF shall:

- help participants find funding through international calls for proposals
- provide them with opportunities to collaborate with the EDF Group in the development of their prototypes
- help them to identify opportunities to work with EDF partners in developing their prototypes or testing them in real conditions, e.g. with research institutes, cities or industrial players, etc.

## Article 1: ORGANISER AND PARTNERS

### 1.1 Organiser

ELECTRICITE DE FRANCE, a French limited company (*société anonyme*) with capital of 930,004,234 euros, whose head office is situated at 22-30, avenue de Wagram, 75382 Paris Cedex 08, entered in the Paris Trade and Companies Register under number B 552 081 317, and referred to herein as "**EDF**" or the "**Organiser**",

is organising a challenge, for which these rules, hereinafter referred to as the "**Rules**", set out the terms, conditions and procedures for participation.

### 1.2 Partners

EDF is organising this challenge with the following partners, hereinafter referred to individually as a "**Partner**" or collectively as "**Partners**":

- Dassault Systèmes,
- Agence pour la Promotion de la Création Industrielle,

EDF may authorise other Partners to join and support the challenge at any time, by informing the existing Partners.

## Article 2: PURPOSE OF THE CHALLENGE

The purpose of the challenge is to find solutions on the theme **Sharing Energy in the City, 2030**.

These solutions will lead to the creation of innovations in the form of products, services or systems:

- relating to energy production or use.
- for different uses: ranging from the residential sector to economic activities, for day and night.
- integrating considerations for mobility (excluding the design of a single vehicle), people, goods and information.
- using different energy carriers: electricity, gas, water, heat, cold, etc.
- which respect the environment and the quality of life of the urban population.
- with a variety of spatial scales: from a single room in a building with less than 15 floors to the urban area, and everything in between.

The aim of this challenge, which promotes a combination of research and creativity, is to help the finalist interdisciplinary teams **develop their innovation to the point where they create a working prototype**, within a maximum of two years.

## Article 3: PARTICIPANTS

### 3.1 Eligibility criteria

- This challenge is open to postgraduate students, research laboratories, local governments and members of clusters or incubators, of any nationality, hereinafter referred to as the "**Participant(s)**".
- The projects, hereinafter referred to as the "**Project(s)**", will be presented by consortiums, hereinafter referred to as the "**Consortium(s)**", interdisciplinary teams created by Participants

and representing at least two disciplines (e.g. design, art, engineering, sociology, economy, architecture, town planning or management).

- A Participant can be a member of more than one Consortium.
- The Consortium is responsible for ensuring that the Projects presented do not infringe intellectual property rights.

Members of the management board/employees of the Organiser or the Partners and jury members are prohibited from participating in the challenge.

### 3.2 Objectives

All Projects must:

- provide an actual improvement to an existing situation,
- be capable of being tested in real conditions within two years,
- be submitted in English so that they can be assessed by an English-speaking international jury.

The Projects will be assessed on the basis of two criteria:

- **the value of the energy exchange**, demonstrating the energy flow and proposing solutions to link the different spatial scales,
- **the improvement made to "better collective living"**, taking into account the changing demography of cities (density and diversity) and the resulting environmental impact, while taking advantage of/highlighting the potential economic and social links with energy.

### 3.3 Project categories

Projects will be submitted under one of the following two categories depending on the state of advancement of the concept proposed and the resources required for implementation:

- **the "Innovative Solution" category**: Project that is sufficiently advanced to be developed as a prototype without the existence of technical difficulties that need to be overcome.
- **the "Collaborative Research" category**: Projects presenting a conceptual solution or a demonstration of a concept that needs to be developed further in the context of a partnership with one or more research laboratories.

A Project may only be placed in one of the above categories.

## Article 4: THE CHALLENGE PROCEDURE

### 4.1 Principles

The challenge comprises three stages:

- Creation of Partnerships and Consortiums (stage 1)
- Proposed categorisation of the Projects (stage 2)
- Selection of finalist Projects by an international jury (stage 3), with the aim of facilitating the creation of a prototype within two years

For each Project, the Consortium will name a project leader, who will be in charge of coordinating the Project, setting up and structuring the collaboration between the Participants, producing the Project deliverables, holding progress meetings and communicating results.

Each Consortium Participant will name a person to be the project leader's main point of contact.

The project leader will be the main point of contact for the challenge Organiser.

## 4.2 Challenge stages

**Stage 1: Creation of Partnerships and Consortiums.**

**Important date: The online challenge community opens on 15 October 2013**

Potential Participants will have access to the online challenge community, hereinafter referred to as the "**Community**", in English at the following URL: <https://swym.3ds.com/#community:762>

This Community, managed by the Partner Dassault Systèmes, allows each Participant to:

- Create a secure profile (password chosen by the Participant),
- Mention his/her skills, or even Project ideas if he/she is looking for partners,
- Communicate with the Organiser,
- Access information relating to the theme of the challenge,
- Publish information, contacts and existing projects, etc. to the Community,
- Submit ideas to a Community vote,
- Maintain his/her profile and add information to it at any time during the challenge.

The Organiser hereby informs the Participants that all information published to the Community will be treated as public.

The Participants are each responsible for the information they publish.

The Organiser and the Partners shall retain the right to immediately remove information if a Participant has failed to comply with the Community codes of conduct, which can be accessed via the Community.

**Stage 2:                   Compilation and submission of application files**

**Important date:       Submissions accepted from midnight on Monday 16 December 2013 (GMT)**

Consortiums are invited to fill out one application file, hereinafter referred to as the "**Application File**", per Project, comprising the following two items:

- **One video, less than 2 mins long** (ideally in MPEG4 format), with comments and captions in English. This video must present the problems considered and at least one possible solution or collaborative research area.
- **One summary document in English** (maximum 10 pages, template appended to the Rules) including the contact details of the project leader and the Consortium Participants, a short description of the Project (300 characters) and a detailed Project description.

The Participants authorise the Organiser to distribute the video and the summary document, in full or in part, on the Challenge Community, in any form and using any media whatsoever (online or during conferences or events of any kind, etc.). **However, if the Consortium writes the word "CONFIDENTIAL" on the detailed Project description in the summary document, that section will be treated as confidential by the Organiser.**

**Stage 3:                   Selection of finalist Projects**

**Important date:       Application Forms must be submitted before midnight on Monday 31 March 2014 (GMT) to [sharingenergyinthecity@edf.fr](mailto:sharingenergyinthecity@edf.fr)**

**Stage 3.1 Assessment of Application Files by the Assessment Committee**

Only Application Files that comply with the criteria set out in articles 3.1, 3.2 and 3.3 of these Rules shall be considered.

A committee of experts and academics, hereinafter referred to as the "**Assessment Committee**" shall carry out an initial assessment of the files between Tuesday 1 April and Tuesday 20 May 2014.

It reserves the right to place the Product in a different category to the one initially chosen during submission of the Application Form.

The Assessment Committee shall submit the results of its analysis of each Application Form assessed, along with its comments, to the members of the international jury, hereinafter referred to as the "**Jury**".

**Stage 3.2 Selection of finalist Projects by the Jury**

The Jury shall examine the Application Files in order to select the finalist Projects, hereinafter referred to as the "**Finalist(s)**".

The Jury will be comprised of at least nine members, including one representative of the Organiser, one representative of each Partner and outside experts.

The Jury may decide on the number of Finalists per category. It reserves the right to not select any Finalists. It may change the distribution of prizes. It may award special mentions.

The Jury has the final word in all of its decisions.

**Important date:      Announcement of the challenge results on Wednesday 28 May 2014**

EDF and the Partners reserve the right to organise a communications event between May and December 2014. At least one representative from the Consortiums that submitted the Finalist Projects must be in attendance.

## **Article 5: GRANTS AND SUPPORT FOR THE FINALISTS**

In May 2014, an international jury will select the Finalist Projects for each of the categories, "Innovative Solution" and "Collaborative Research" (see article 3.3).

- **A prize of five thousand euros (5,000 euros)** will be awarded to the best Finalist Project in the "Innovative Solution" category.
- **A prize of one thousand euros (1,000 euros)** will be awarded to the best Finalist Project in the "Collaborative Research" category.
- **Work experience** (in the form of internships or research assignments) may be offered with EDF R&D or its partners.

Furthermore, in order to further facilitate the creation of working prototypes within the two-year time frame, EDF shall:

- **help participants find funding through international calls for proposals**
- **provide them with opportunities to collaborate with the EDF Group in the development of their prototypes:** The Organiser may decide to enter into a specific partnership agreement, hereinafter referred to as the "**Partnership Agreement**", with one or more of the Finalists to support development initiatives for the chosen Project. This Partnership Agreement could even cover testing and assistance with communications from the Organiser and, where applicable, the Partners.
- **help them to identify opportunities to work with EDF partners** in developing their prototype or testing them in real conditions, e.g. with research institutes, cities or industrial players, etc.

All teams that submit a Project in the context of the challenge will benefit from visibility in respect of various international stakeholders in the research fields, such as the creative industries.

The Finalists will be entitled to use the name and pictogramme of the challenge in their internal documents for the duration, and under the terms, set out in the Partnership Agreement.

## Article 6: CHALLENGE CALENDAR

The challenge calendar is as follows:

Stage	Date	Challenge phase
<i>Important date</i>	<b>15 October 2013</b>	Opening of the challenge online Community.
Stage 1	<b>From 15 October</b>	Creation of the challenge online Community. Creation of Partnerships and Consortiums.
<i>Important date</i>	<b>16 December 2013, midday (12pm)*</b>	Submissions of Application Files now accepted at <a href="mailto:sharingenergyinthecity@edf.fr">sharingenergyinthecity@edf.fr</a>
Stage 2	<b>16 December 2013 - 31 March 2014</b>	Compilation and submission of application files
<i>Important date</i>	<b>31 March 2014, midnight (12pm)*</b>	Deadline for submission of Application Files (1 video less than 2 mins long and a summary of maximum 10 A4 pages)
Stage 3	<b>1 April 2014 - 20 May 2014, midnight (12pm)*</b>	Assessment of Application Files by the Assessment Committee.
<i>Important date</i>	<b>21 May 2014</b>	Selection of Finalists by the Jury
<i>Important date</i>	<b>28 May 2014</b>	Announcement of results: Finalists and grants.

- All times given are GMT (Greenwich Mean Time).

## Article 7: CONFIDENTIALITY OF INFORMATION

In accordance with Article 10, by participating in the challenge, the Consortiums understand that all information relating to the description of their Projects and all related visuals provided in the public sections of the summary document included in their **Application File(s)** may be published in the Organiser's communication documents and communicated to the media. The remaining information may be communicated under the same conditions unless it has been classified and labelled as confidential by the Consortium.

It is expressly agreed that the Organiser and the Partners are authorised to communicate to the media and publish on the challenge website and their own websites the names of the Participants, the videos of the Projects submitted by the Consortiums and the names of the Finalists along with the grants obtained.

The Consortiums grant the Organiser the right to freely use their trademarks and logos, the visuals included in their Application Files and the Project presentation (excluding data marked as confidential)



and photographs taken during the prize-giving ceremony. These elements may be reproduced and published on any (written, audiovisual or electronic) media used to promote the challenge or relating to the challenge.

## **Article 8: USAGE AND COMMUNICATION RIGHTS**

All Consortiums and their Participants may mention their participation in the challenge in accordance with a graphics charter provided by the Organisers.

With the exception of the Organiser, only the Finalists may mention the grants obtained, in accordance with a graphics charter provided by the Organisers.

The Consortiums must seek consent from the Organiser before mentioning any names relating to the challenge or the grants and must include any compulsory statements set out in the provisions in force.

At the request of the Consortiums, Finalists and Partners, the challenge Organiser will provide all of the elements they need to use the name of the challenge, the Partners and the grants. Consortiums, or their Participants, that choose to use the name "EDF Challenge" and/or the phrase "Sharing Energy in the City, 2030" on their websites must also include a link to the challenge website.

## **Article 9: INTELLECTUAL PROPERTY**

It is the responsibility of the Consortiums and the Participants to protect their creations through the relevant organisations. Each Consortium shall hold the exclusive intellectual and industrial property rights in respect of its Project as carried out in the context of the challenge. These rights include, in particular, the right to reproduce, distribute, represent, modify, adapt and translate, on all media, in any form, and across the whole world, for the duration of the copyright.

However, it is agreed that each Consortium grants the Organisers and the Partners, for the duration of the copyright, a non-exclusive transferable, worldwide, free licence, which may be sub-licensed, to use, reproduce, distribute, represent and adapt the video and the summary document from their **Application Files**, the information relating to the description of the product(s) and/or service(s) of their Project and any other related visual and non-confidential information, for the purpose of public relations operations, interviews, media relations (particularly press packs, articles and press releases) and for the advertising and promotional activities of the Organiser or the Partners and in relation to their products and services.

In the event that a Participant would like to negotiate the use of, or assign its industrial property in relation to, a Project, the Organiser must be informed first, followed by the Partners. The terms of partnership will be set out in a Partnership Agreement.

If neither the Organiser nor any of the Partners express interest within two (2) months, the Participant shall be free to negotiate with any third party.

## **Article 10: ACCEPTANCE OF THE RULES**

The Participants, by the simple act of participating in the challenge, signify their full acceptance of these Rules, which constitute a contract between the Organiser and the Participants.

The Organiser shall have the final word on any issues arising in relation to the interpretation or application of these Rules, in accordance with French law.

Any questions and requests in respect of these Rules and the results will be accepted for a period of one (1) month following publication of the challenge results.

The Rules are available online on the public website <http://www.sharingenergyinthecity.com> and on the challenge Community website.

#### **Article 11: CHANGES TO THE RULES**

The Organiser may not be found liable for any changes made to the Rules, for any reason whatsoever, and even where notice is not given. The changes will be brought to the attention of the applicants on the challenge website.

Where necessary, the challenge Organiser reserves the exclusive and unilateral right to suspend or modify the event or to move the dates at any time and without notice.

#### **Article 12: ACCESS TO PERSONAL DATA**

In accordance with the French data protection law (*Informatique et libertés*) of 06/01/1978, as amended, all applicants have the right to access and amend personal data relating to them and may object to their assignment, by sending an email to the Organiser at the following address: [sharingenergyinthecity@edf.fr](mailto:sharingenergyinthecity@edf.fr)

#### **Article 13: LAWSUITS**

The Candidates and the Organiser shall make every effort to resolve any dispute relating to the validity, interpretation or performance of these Rules or the challenge without resorting to legal action.

If the parties fail to find an out-of-court solution, the dispute shall be sent before the competent courts under the conditions of ordinary law.

#### **Article 14: SUBMISSION OF THE COMPETITION RULES**

These Rules are available in French and in English.

In the event of a dispute, the French version shall prevail.

These Rules have been filed with Maître Sandrine Baena, 16 avenue Jean-Jaurès- BP 52, 77250 MORET SUR LOING, France (33).



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## Sharing energy in the city, 2030

2030 : Partageons l'énergie dans la ville

### Application File / Dossier de Candidature

The Application File is to be completed by the person who will be the Consortium's official project leader during the Challenge. (researcher or teacher of a school / University department, member of a research lab, member of a cluster or incubator, etc.)

The information given is considered public for sections 1 – Consortium and 2 - Project short description. The section 3 – Detailed description - is to be specified as confidential or public by the Consortium.

The Consortium authorises the Organiser to communicate the content of the public sections of this Project Form in part or in full.

**Please return this file to [sharingenergyinthecity@edf.fr](mailto:sharingenergyinthecity@edf.fr) before midnight on 31 March 2014 (GMT)**

### SECTION 1: CONSORTIUM (*Public*)

#### 1.1 Project leader

Institution:

Logotype:

(please insert logotype – jpeg format 300dpi)

Address:

Contact person:

Telephone number:

Email:

Main discipline(s) and skill(s):

Previous work / studies led by the Participant in connection with the proposed Project:

How does this Project fit into your research / creativity / learning path?

(integration into a research programme, into a student curriculum, post-graduate research subject, etc.)

#### 1.2 Partners

Please specify the institution / contact name(s) / email / disciplines - skills

## SECTION 2: SHORT DESCRIPTION OF YOUR PROJECT (*Public*)

### 2.1 Project information

Project name:

14 characters max.

Project category:

INNOVATIVE SOLUTION

or

COLLABORATIVE RESEARCH PROJECT

Video name:

(MPEG4 format, duration less than 2 minutes, subtitles in English if used)

### 2.2 Issue(s) addressed:

### 2.3 Short description of the Project

(300 characters max.)

### 2.4 Illustration of your Project

(please include at least one public illustration, 300dpi jpeg format, less than 2Mo)

## **SECTION 3 – DETAILED PRESENTATION OF YOUR PROJECT**

Note to Consortium: please inform the Organiser whether section 3 is to be considered as

PUBLIC or  CONFIDENTIAL

You are invited to develop your Project (in English and using jpeg images) in 8 pages max.:

### **3.1 Context**

### **3.2 Main issues**

### **3.3 Detailed description of innovative solution OR of research process**

### **3.4 Partners' roles in the Project**

### **3.5 Related opportunities for the development of prototypes and/or testing**

**3.6 If you are chosen as a Finalist**, how do you intend to manage the development of a prototype and/or testing from April 2014?

Provisional calendar

Main steps and related costs

International Calls for Proposals you may be interested in

Thank you for your participation