

Republic of Tunisia
Ministry of Industry and Technology



THE TUNISIAN SOLAR PLAN

11th december 2010

Summary

I. The Tunisia Solar Plan

I.1 Renewable Energies

I.2. Energy conservation

II. Tunisia–japan Cooperation

I. TUNISIAN SOLAR PLAN

The Tunisian Solar Plan is in line with similar international projects, in particular, the Mediteranean Solar Plan.



It reflects Tunisia's ambition to become an international hub in the field of *industrial and energy production and exportation in the Solar Energy.*



TUNISIAN SOLAR PLAN



2 PHASES

**(1ST Phase)
2016:**

**(2nd Phase)
2030:**

2 OBJECTIVES

Energy saving

24%

40%

Share of Renewable Energy in
the total capacity of the
Electric Power

16%

40%

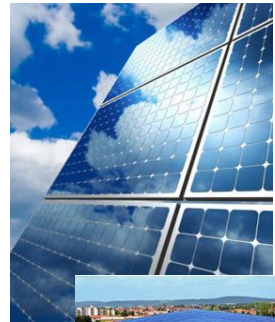
I. TUNISIAN SOLAR PLAN

For the period 2010-2016, the Tunisian Solar Plan is including 40 additional projects covering :

Solar energy, wind energy, energy efficacy, the manufacture of photovoltaic panels ...

☐ **A concrete approach along the period 2009-2016.**

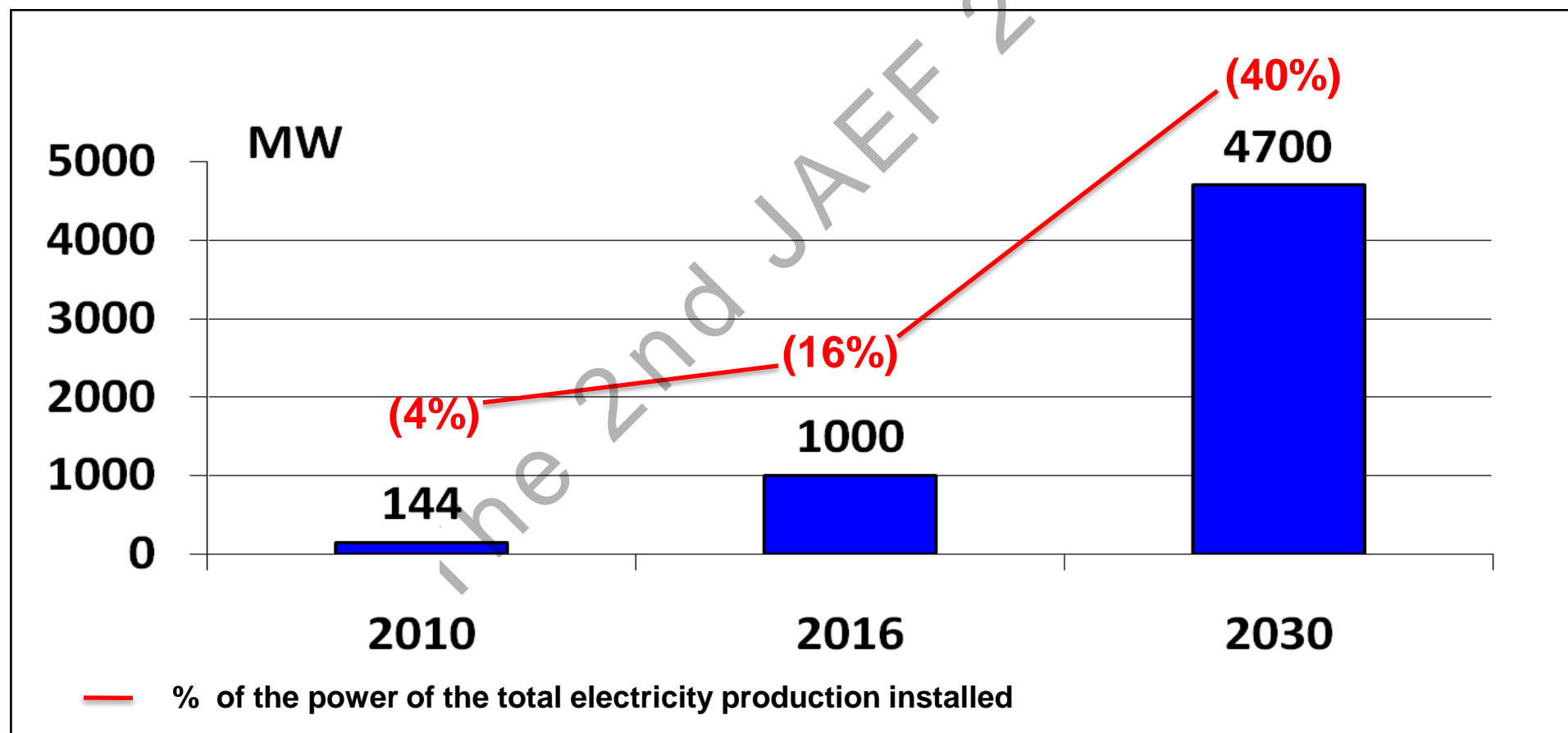
☐ **investments of 2300 M€ (70% for the private sector)**



I.1 Development of Renewable Energies

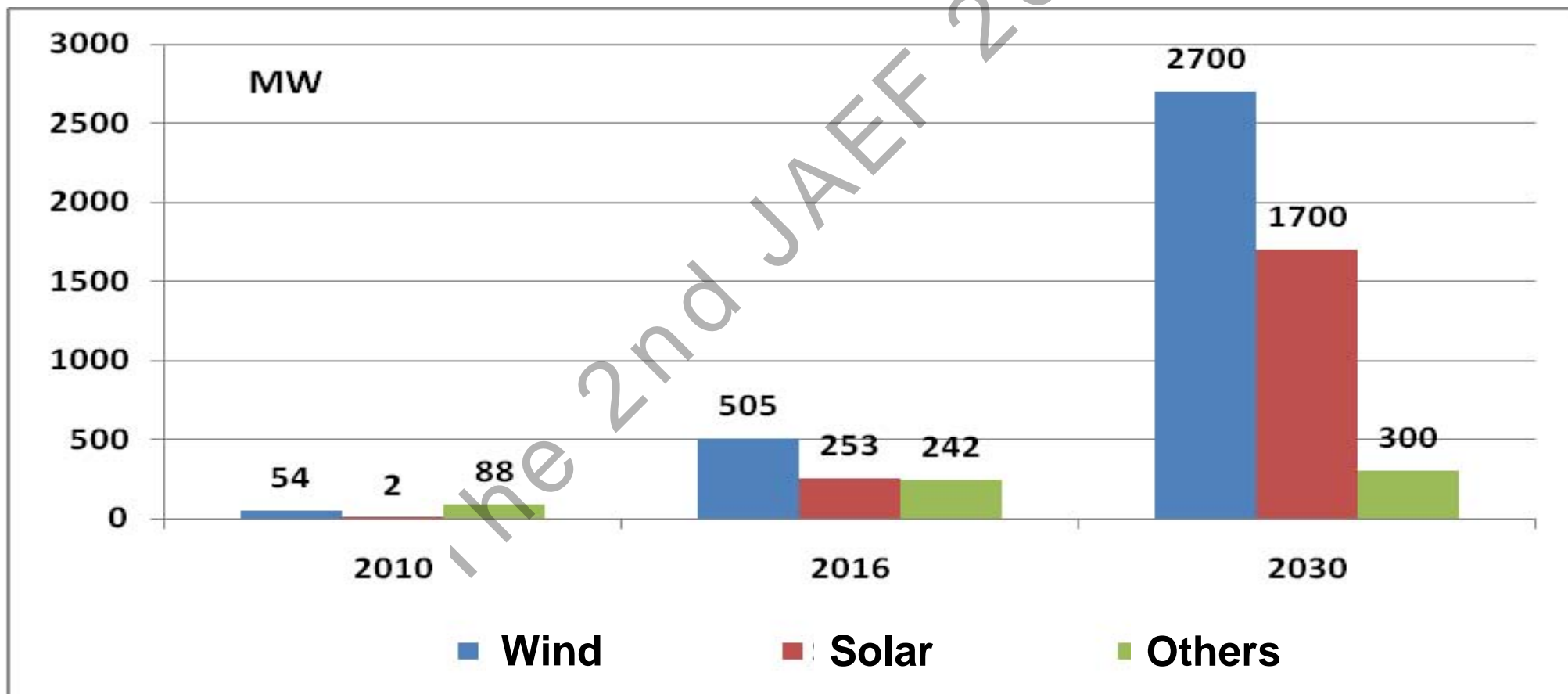
Objectives of the Tunisian Solar Plan

RENEWABLE POWERS INSTALLED



Objectives of the Tunisian Solar Plan

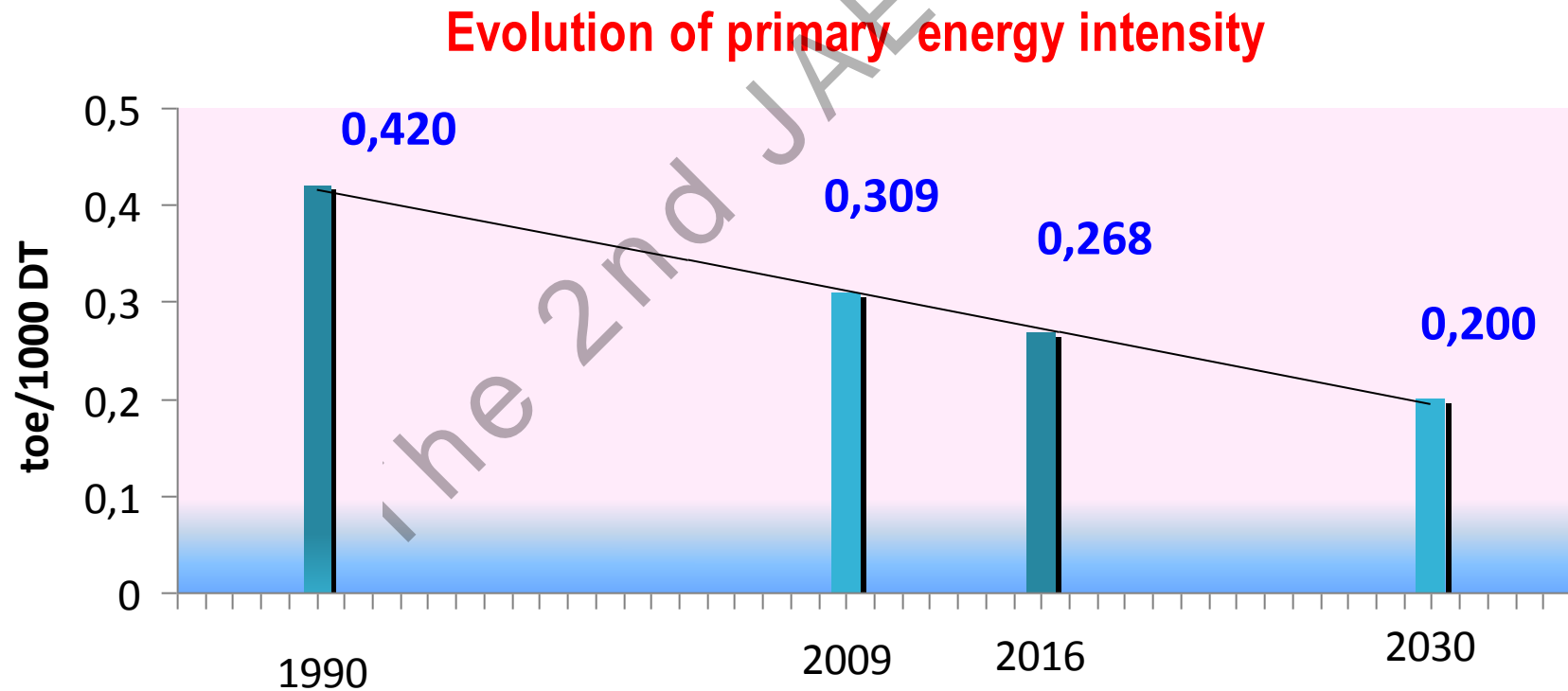
Breakdown by type of renewable energy :



I.2. Energy Conservation

Evolution of primary energy intensity

Our goals is based on encouraging achievements since 1990.

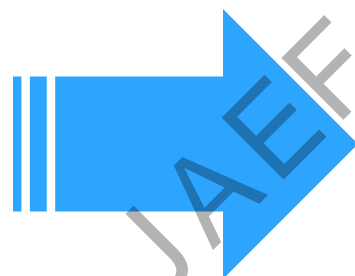


Energy conservation 2007-2010-2016

2007

0,7 Mtoe
8% of energy demand

the quantity of energy saved was doubled



2010

1.3 Mtoe
14% of energy demand

during 4 years

2016

3 Mtoe
24% of energy demand

II. Tunisia–japan Cooperation

Tunisia-Japan Cooperation

An example of fruitful cooperation

Project 1:

Photovoltaic solar for rural electrification and water supply.

Project 2:

Technopark of Bordj Cedria.

Project 3:

Project of a *CSP* in El Borma.

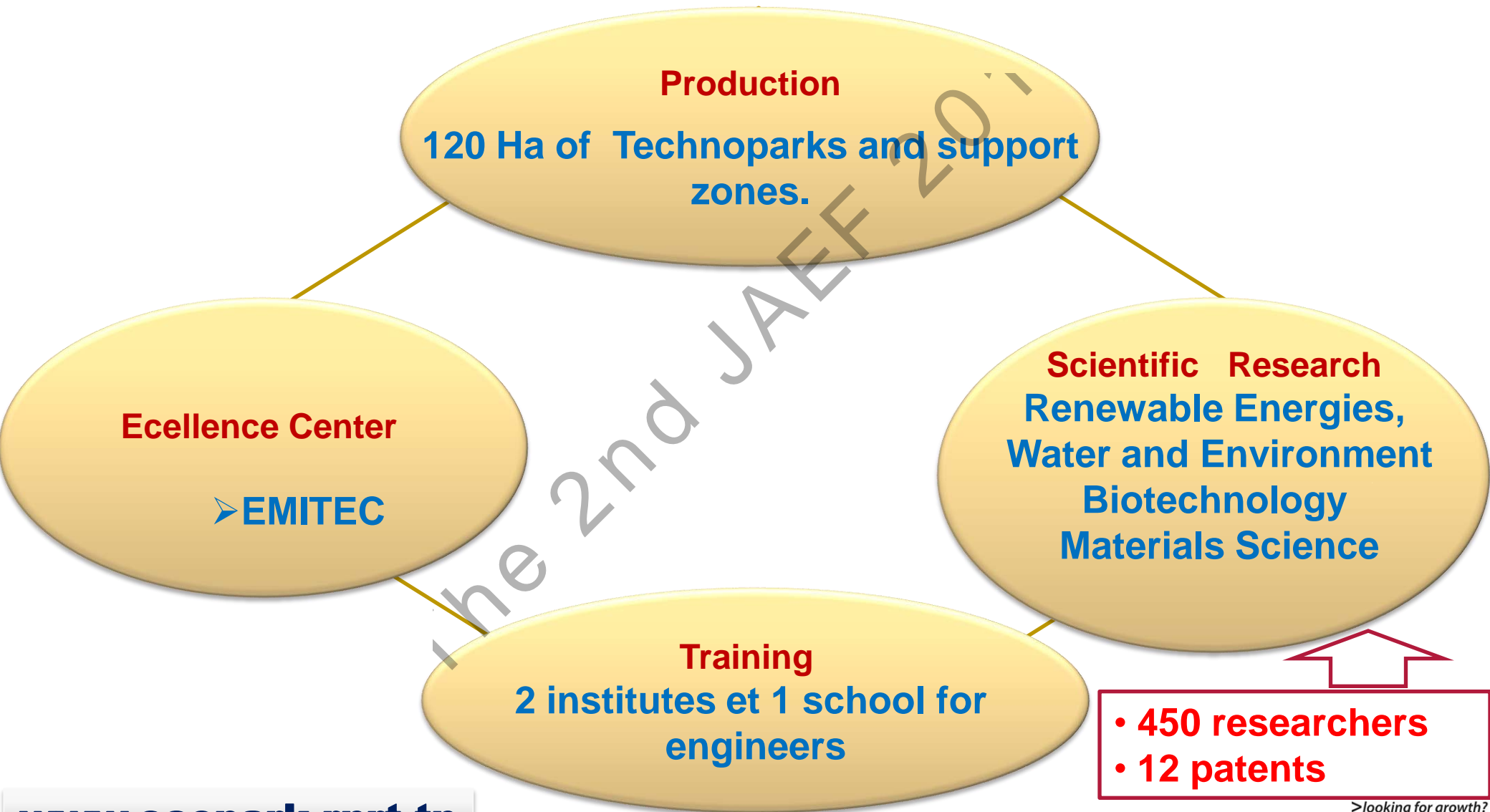


Photovoltaic energy for rural electrification et le and desalination of wells

Components of the Project:

- Rural electrification for **500 dispersed households** by Photovoltaic Systems;
- Equipment of **63 wells** by Photovoltaic pumping and/or water desalination systems in the south.

Bordj Cedria technopark



Solar CSP in EL Borma

Components of the Project:

Phase 1 :

- A combined cycle plant of **40 MW**;
- A solar thermal plant of **5 MW** integrated with the combined cycle power plant in Cooperation With NEDO;



Phase 2 :

- Construction of a 25 MW CSP plant integrated to a combined plant of 150 MW in the south.

THE TUNISIAN SOLAR PLAN

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