



, a transition dynamic in



Région  
Hauts-de-France



THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION  
IN HAUTS-DE-FRANCE

2016

## HAUTS-DE-FRANCE, A NEW REGION



- ✓ A strategic location in the core of North West Europe
- ✓ 6 Million inhabitants
- ✓ GDP per capita 2013 : 25 228 € (*national average : 32 559 €*)
- ✓ 1st French agricultural region
- ✓ 3rd French industrial region (*automotive, rail, steel, food-processing, chemicals and chemistry, aerospace*)



## THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION IN HAUTS-DE-FRANCE

## A REGIONAL DYNAMIC IN COURSE



The Third Industrial  
Revolution dynamic is  
now called



2011

2012



RÉGION  
NORD-PAS DE CALAIS

Masterplan's presentation

2013

2014



The new political  
board wishes to keep  
on the dynamic

2016



2019

- \*16 local territories engaged,
- \*10 major projects in course,
- \*a network of research and higher education stakeholders launched,
- \*multistakeholders platforms developed for biogaz, solar energy, smart grids...



THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION  
IN HAUTS-DE-FRANCE

## THIRD INDUSTRIAL REVOLUTION : WHAT IS IT ABOUT ?

1st Industrial  
Revolution

2<sup>nd</sup> Industrial  
Revolution

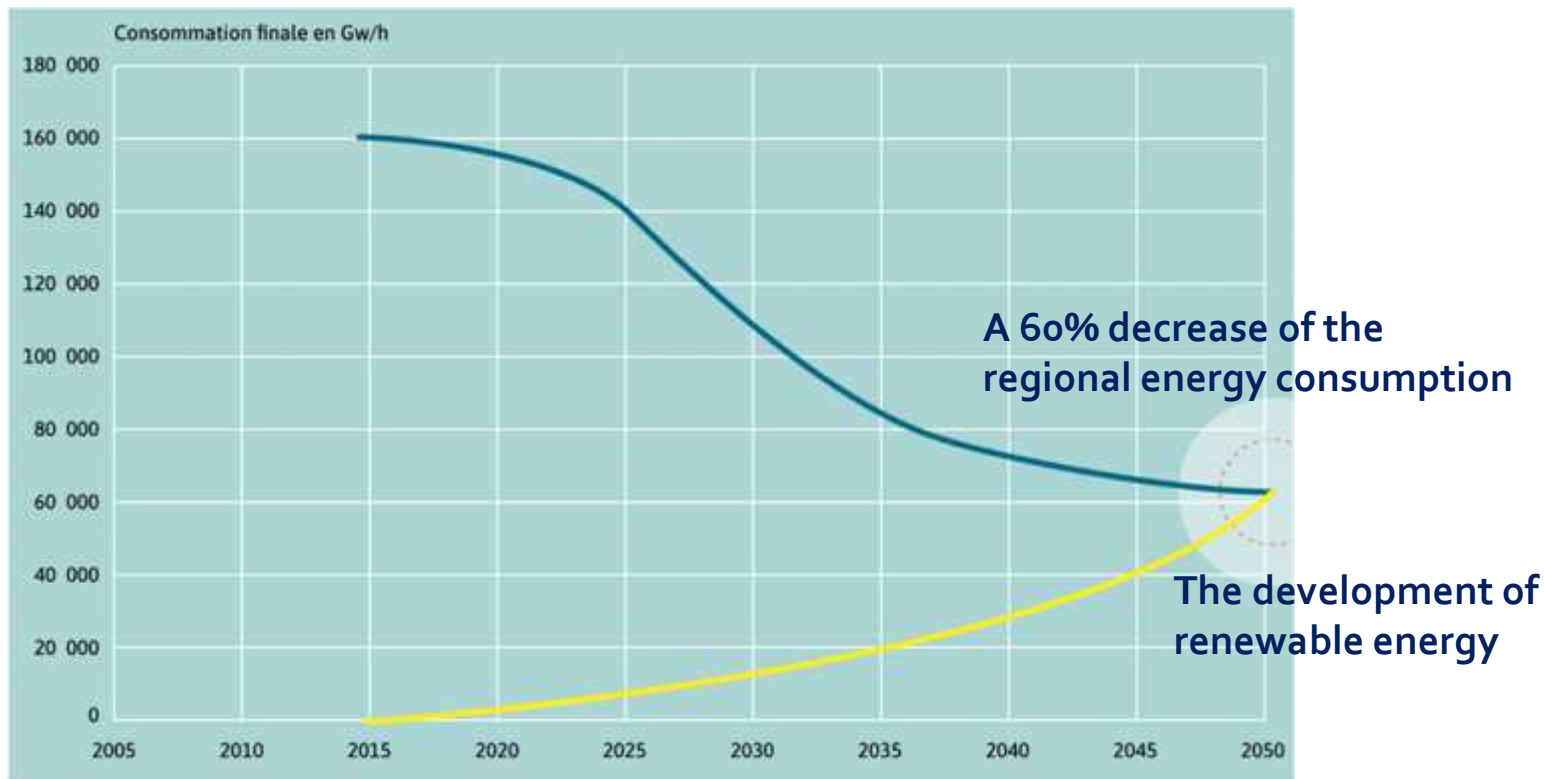
3rd Industrial  
Revolution





THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION  
IN HAUTS-DE-FRANCE

## THE FIRST AMBITIOUS OBJECTIVE : A FREE CARBON ECONOMY IN 2050



**Second  
Objective:**

**Promote the  
creation of  
activities and  
jobs**





THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION  
IN HAUTS-DE-FRANCE

## HOW ? A SYSTEMIC APPROACH

Renewable energy  
production



Positive energy  
buildings



Energy storage



Internet of Energy  
and IoT



Energy efficacy



People and goods  
sustainable mobility



Circular economy



Economy of  
functionnality



## THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION IN HAUTS-DE-FRANCE

# RECONVERSION OF INDUSTRIAL AREAS



### Euratechnologie : IT and digital hub in Lille

*300 companies, 200 startups,  
events, labs and schools*



### International Tourism Highschool Usine Five Cail - Lille *Vocational training in the field of tourism*



### Base 11/19

**Sustainable development hub in Loos-en-Gohelle.**  
*National and regional clusters, resources centers, NGOS*



### Godin Familistere in Guise *Museum and cultural programmes*







THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION  
IN HAUTS-DE-FRANCE

## BUT ALSO SUPPORT TO THE INDUSTRIAL TRANSITION

CircularEconomy  
Unavoidable  
energy and waste  
reuse  
*Arcelormittal-  
Dunkerque*



Industrial Ecology System  
*Eco Synergie EIN - Amiens*



Renewable energy production  
*MCA (Renault subsidiary) - Maubeuge*





**THE 3<sup>RD</sup> INDUSTRIAL REVOLUTION  
IN HAUTS-DE-FRANCE**

**Virginie Renault-Crédoz**

**Director**

**Mission « Third Industrial révolution »**

**REGION Hauts-de-France**

[Virginie.renault@hautsdefrance.fr](mailto:Virginie.renault@hautsdefrance.fr)

[Rev3.fr](http://Rev3.fr)



**Région  
Hauts-de-France**