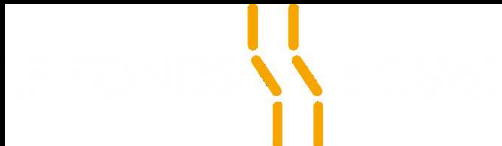


Le Fonds Belval  
the City of Science, Research and Innovation





Contractor for the construction of the **City of Science, Research and Innovation**

Founded in 2002 (laws of 25.7.2002 and 24.11.2015)

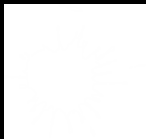
Rock concert hall, Business incubator, Public administrations, University of Luxembourg, Public research centers, National archives, Sports center, housing, leisure and culture facilities

Surface: 27 ha, 16 ha on the Blast Furnace Terrace

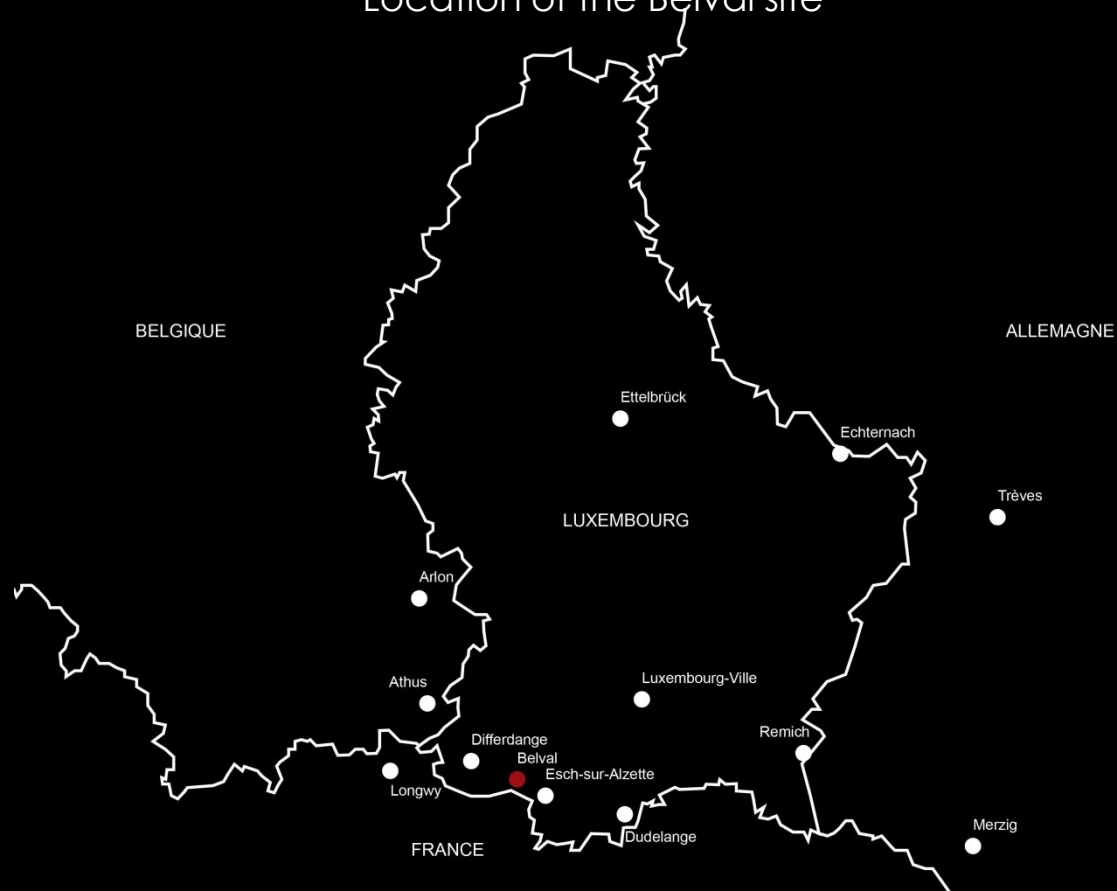
30 Buildings, 675'000 m<sup>2</sup> at final stage

7'000 students, 3'000 researchers, 25'000 people living and working in Belval

Investment by Fonds Belval : until now 1 billion €, final stage 1'9 billion €



# Location of the Belval site

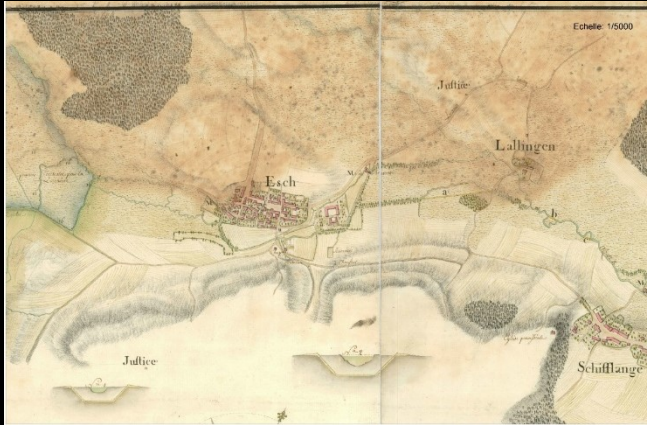


# View of Belval and the surrounding area



# short history

The village of Esch and the  
« Clair-Chêne » forest



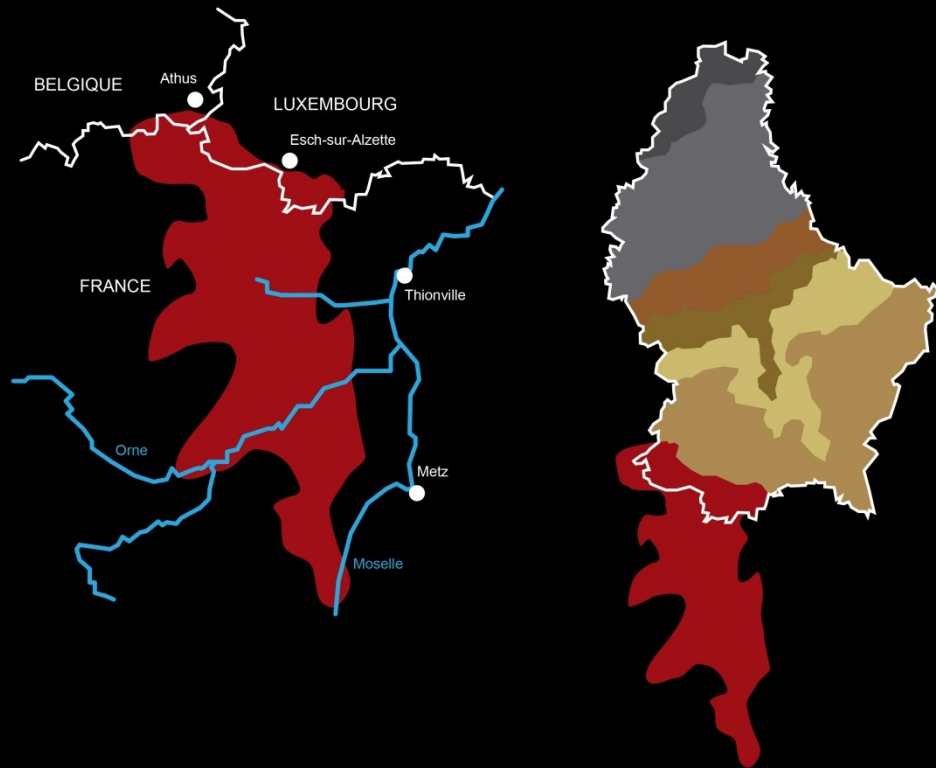
1870 : 2.200 inhabitants

Esch-sur-Alzette around 1927



1914 : 21,000 inhabitants

# Iron ore in the french Lorraine and in the south of Luxembourg



## Underground-and opencastmining



## Construction of the blast furnaces 1909-1912



## The new blast furnaces A+B in 1970



© Paul Wurth S.A. 10.4.70

## The Belval plant around 1990

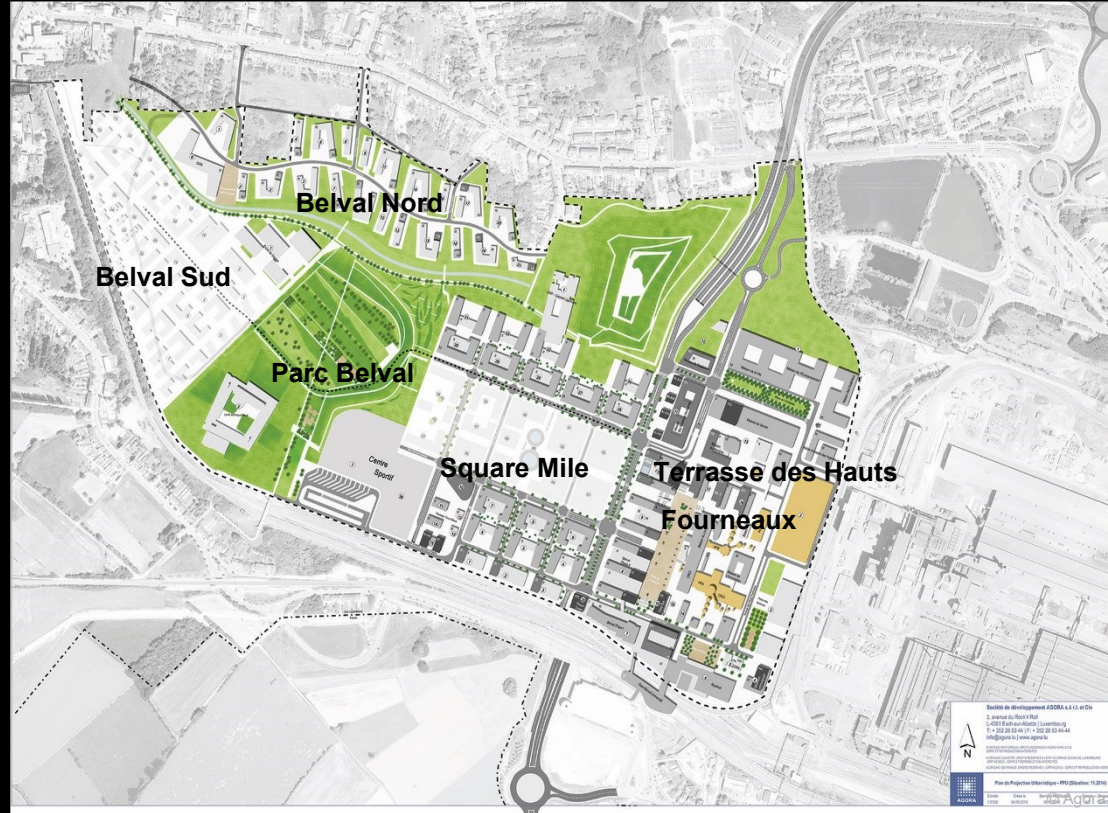


# Belval in 2001

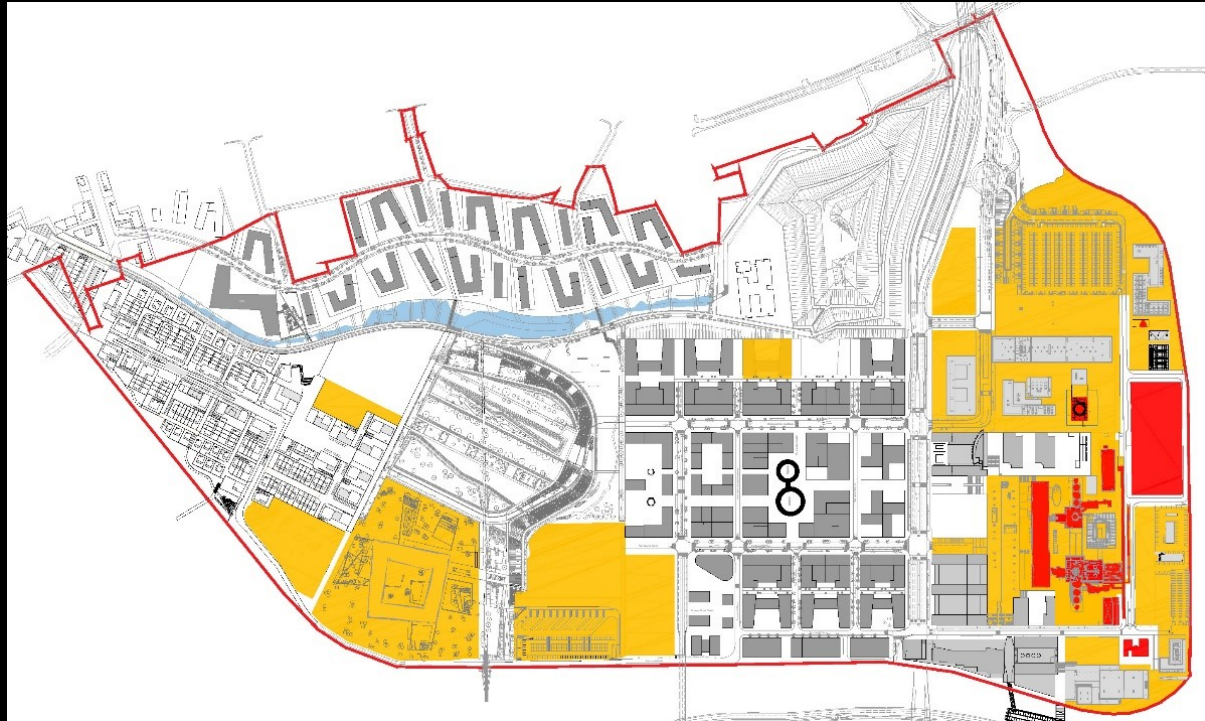


© A. Weisgerber

# Masterplan Joe Coenen 2001



# Masterplan - situation 2022



State property  
27 ha

Industrial  
heritage



# Reconversion of the industrial wasteland



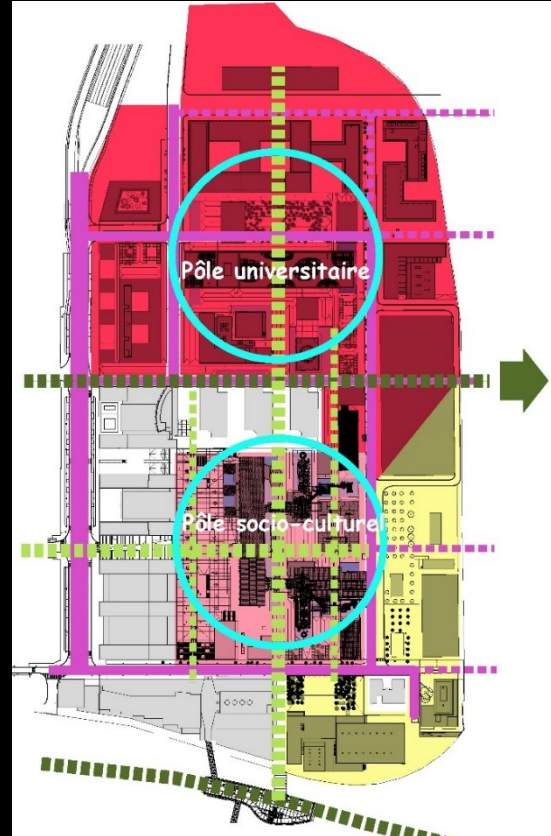
Belval in 2016



# The City of Science, Research and Innovation is built on the Blast Furnace Terrace :

The City of Science is articulated around 2 poles:

- North: University and education
- South : Socio- cultural activities



## Education pole, around the House of Knowledge



## Socio-cultural pole



# The Blast Furnace Terrace in 2021



## Les bâtiments



La Rockhal  
2005



Le Lycée Bel-Val  
2011



Le bâtiment Biotech  
2011



L'Incubateur  
d'entreprises  
2012



Le Bâtiment administratif  
2013



La Maison du Savoir  
2015



La Maison des Sciences  
Humaines 2015



La Maison de l'Innovation  
2015

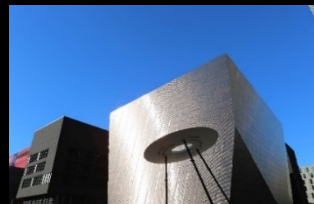




La Halle d'essais  
Ingénieurs  
2015



Le restaurant de  
l'Université  
2018



Le Maison du Nombre, des Arts et des Etudiants  
2018



La Maison du Livre  
2018



Les Bâtiments  
Laboratoires  
2020



Le Pavillon Skip  
2005 et 2020



La Structure administrative  
Esch 2022 - 2021



# Sustainable energy, a priority for the City of Science



the blast furnaces

The industrial remains



## The blast furnaces A (1965), B (1970), C (1979)

1989 - Last furnace repair of the blast furnace A

1996 - Dismantling of the blast furnace C

1997 - Last charge of blast furnace B

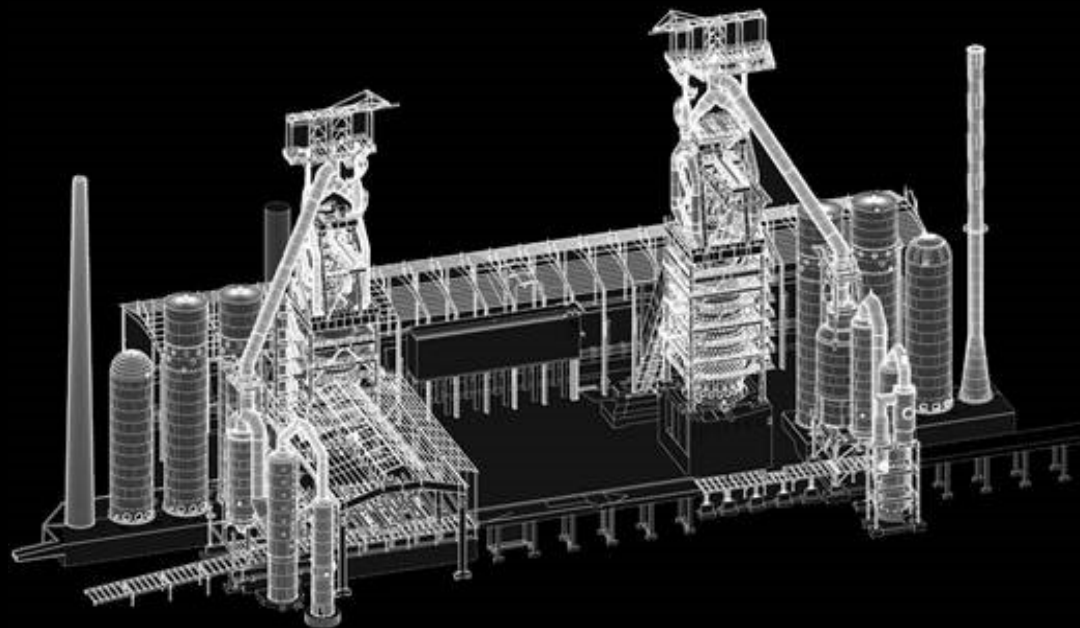
2000 - Listed in the "Inventaire supplémentaire  
des sites et monuments nationaux"

2005 - Option for the conservation concept  
« Monuments in the City »

# The blast furnaces around 2003



# Conservation concept „Monuments in the City“



# Surface treatment



# Urban implantation



# Möllerei



# Maison du Livre – Luxembourg Learning Centre



# Möllerei 2021-2022



# Massenoire



# Socle C



# Urban design: Michel Desvigne



# Lighting design by Ingo Maurer



Lamps «Guddevol»



Light design blast furnaces

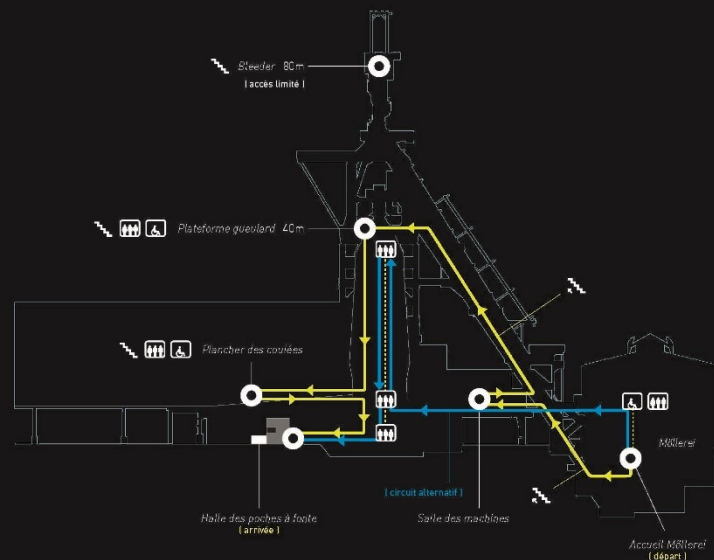
Late Night Opening –22 April 2023



Blast Furnace Festival – 1 & 2 July 2023



# CIRCUITS DE VISITE



## Haut Fourneau A

durée 1h30 / 2h



### À la Möllerei:

- 1 La Möllerei
- 2 Équipement de criblage et déchargement

### Montée des escaliers:

- 3 La salle des machines
- 4 Le chargement des matières premières

### À la Plateforme gueulard:

- 5 Les 3 hauts fourneaux en activité
- 6 Le gueulard sans cloche
- 7 Le gueulard à cloches

### Au Plancher 6:

- 8 Le processus de fabrication

### Au Plancher 5:

- 9 L'éouuration des gaz
- 10 Le circuit des gaz

### Au Plancher 1:

- 11 Le refroidissement du haut fourneau

### Au Plancher des Coulées

- 12 Le circuit des vents
- 13 Le haut fourneau
- 14 La granulation du laitier
- 15 L'évacuation de laitier et la décharge sur le crassier
- 16 Les trous à laitier
- 17 La halle de coulée

Informations et réservations visites guidées : [www.fonds-belval.lu](http://www.fonds-belval.lu)