



NESTET BERLIN

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Eva Buch

Director of the Gas Museum

ebuch@gasnaturalfenosa.com

museo
del gas

fundación
gasNatural
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The Gas Museum And Its Educational Programme

The **Gas Natural Fenosa Foundation** was created in 1992 by the company, **Gas Natural SDG**



Our mission is to disseminate knowledge and raise **awareness** on **energy** and **environmental** matters



The Foundation carries out its activity in four main areas:

- **The Environment and Energy**
- **International Projects**
- **The Export Assistance Programme**
- **The Gas Museum**



The Gas Museum

2

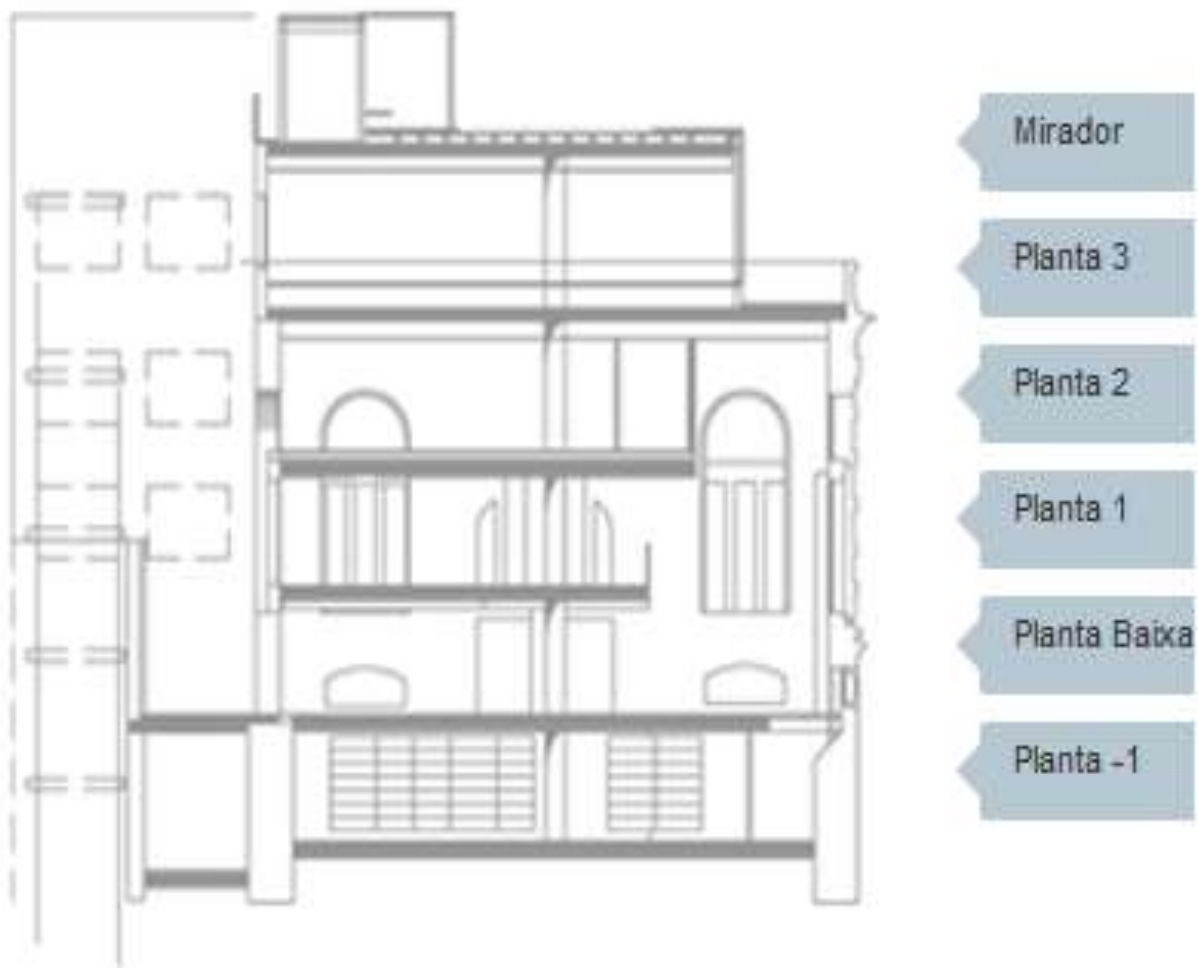
Objectives

- Convey the importance of museums in today's society
- Promote respect for the industrial heritage
- Appreciate the heritage preserved in the Gas Museum
- Consider the evolution of the gas and electricity industry and assess how it has conditioned our lives
- Promote reflection on the use of energy
- Present the Gas Museum as a living institution integrated in society

Contents

- The gas and electricity heritage
- Gas Natural Fenosa. More than 170 years
- Entrepreneurship
- Natural gas and society
- The Historical Archive
- Museums and heritage
- The evolution of the energy sector
- Energy
- Energy efficiency
- Sustainability

Museum Plan



Basement Floor

1. The Historical Archive
2. Gas appliances
3. Company history





Ground Floor

1. Reception/Shop

2. History of the energy sector in our country, its evolution and influence on society (comfort and well-being)

The production process of gas manufactured from coal/oil

- The changes produced in society due to the birth of gasworks (Street lighting, leisure, changes in the customs and working hours of shops and factories, etc)
- The introduction of electricity and its relationship with gas (competition, gas appliances)
- Description of the nature of natural gas: what it is, where it is found, how it is formed, how it is exploited, transported and stored







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The First Floor

1. Temporary exhibitions space
2. Tools of the Future

This area reveals the diversity of energies, their advantages and disadvantages and the need to continue to innovate in this field so as to find the balance between resource availability, its cost and the environmental impact involved. It stimulates a reflection on each of the issues raised in the different modules.







The Second Floor

1. The Foundation Auditorium
2. The Energy Mirror
3. Classrooms and Training Rooms









The Observation Deck

In the process of reconstruction of the building all those measures that improve the impact on the rehabilitation and maintenance reduce consumption were adopted. The adoption of these sustainability criteria is certified with the LEED Gold Seal. Highlights include the water reserve, the photovoltaic pergola, the zinc covering, the bamboo and the vegetation cover. From the Observation Deck, the landmark buildings and elements of the city can be perceived (La Mola, the chimney stacks, etc.).



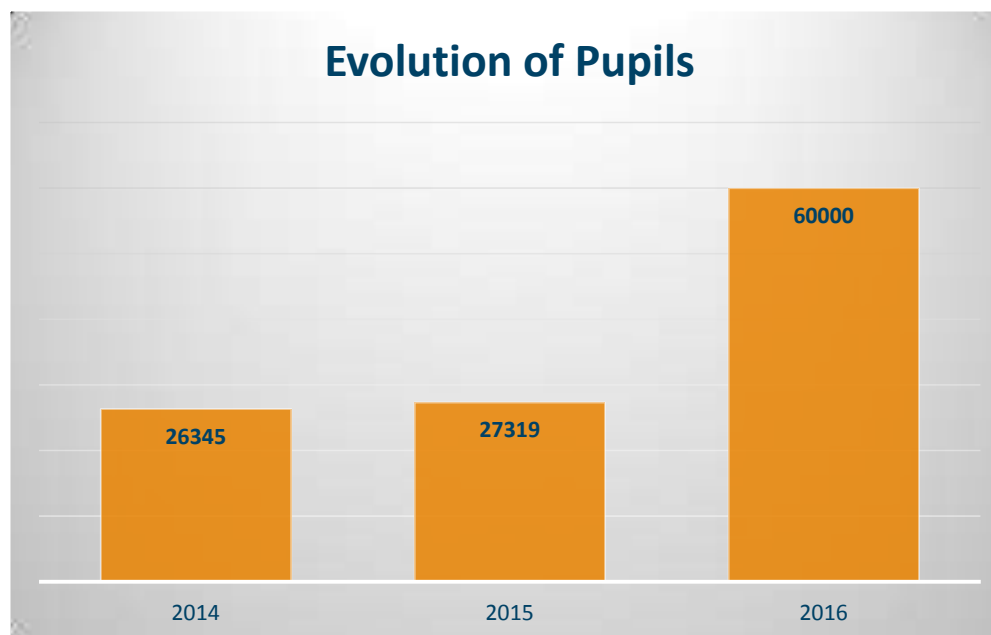




The Gas Museum's Educational Programme

3

Number of School Pupils



Objective:

To transmit knowledge related to energy, the environment, sustainability, efficiency and the industrial heritage.

Activities:

A wide range for all levels of the formal education curriculum.

Dynamics:

We combine classroom work, experimentation and practice with a visit to the exhibitions, where the subjects learned are inculcated through discovery of the Museum spaces and holdings.

Education



Educational Activities at the Gas Museum

Educational Activities in schools
"ENERGYTRUCK"

On-line Activities
"The Energy Classroom"

Research and Development

Adults

Educational Activities in schools. ENERGYTRUCK **More than 120 towns. More than 50,000 pupils**



We offer all schools teaching resources on energy and the environment. Upper Primary, Secondary and High School pupils can take part in this activity free of charge, where, in a participatory manner, they will discover the basic concepts of energy and its characteristics: What energy is, how we obtain it, what its use is and what advantages and disadvantages it has.

An hour-long activity which invites us to reflect and to debate upon the rational use of energy sources.





On-line Activities

These activities will allow you to work on the different forms of energy with a different methodology.

They all share an objective: to have an impact on the rational use of energy and to make us reflect upon consumption and energy saving.

There is open registration for the activities. Once signed up, you will be able to access the activity throughout the whole course and each group/class can organise the timetable of their activity as they prefer.

www.auladeenergia.com

At The Museum

The Gas Natural Fenosa Foundation Gas Museum provides a complement to the subjects the student works on in the classroom. We understand that educational actions integrate thought, action and the emotions as the basic strategies required for learning. The activities are oriented towards the result of the experiments and the relation with our surroundings and the physical and social world.

Activitats per a tots els nivells

Al Museu del Gas descobriràs com l'energia és protagonista del progrés de la societat al llarg de la història







10 motius per fer una activitat escolar al Museu del Gas

- 1 Ens avala el segell de qualitat atorgat pel Consorci d'Educació de Barcelona i la Universitat de Barcelona.
- 2 Hi podreu descobrir l'energia, la sostenibilitat i la tecnologia d'una manera lúdica i experimental.
- 3 Veureu el patrimoni industrial des d'un altre punt de vista, on modernisme, arquitectura i energia s'uneixen dins la nostra història.
- 4 Nosaltres ens atrevim a parlar d'energia, sostenibilitat, eficiència i història als més petits de l'escola.
- 5 La sorpresa i l'expectació que provoca l'exposició són el motor de les nostres activitats.
- 6 Totes les activitats es poden adaptar segons les necessitats i característiques del grup escolar.
- 7 L'alumnat d'educació especial pot demanar qualsevol de les activitats i l'equip educatiu l'adapta a les necessitats del grup.
- 8 Els nostres educadors, contrastadament formats, tenen àmplia experiència en el món de l'educació i formen part d'un equip consolidat i permanent.
- 9 El mestre o professor sortirà satisfet de l'activitat, però els alumnes encara més.
- 10 Des que arribeu al museu fins al comiat, tenim cura de cada detall, perquè per nosaltres no sou una escola més. I us ho volem demostrar!

10 Reasons for holding a school activity at the Gas Museum

1. We are endorsed by the quality seal awarded by the Education Consortium of Barcelona and the University of Barcelona.
2. You can discover energy, sustainability and technology in a playful and experimental way.
3. You will see the industrial heritage from a different point of view, where Modernism, Architecture and energy come together in our history.
4. We dare to talk about energy, sustainability, efficiency and history to the smallest children in the school.
5. The surprise and excitement provoked by the exhibition is the driving force behind our activities.

6. All the activities can be adapted according to the needs and characteristics of the school group.
7. Special education students can ask for any of the activities and the educational team will adapt it to the needs of the group.
8. Our educators, with certified training, have extensive experience in the world of education and form part of an established and permanent team.
9. The teacher or professor will leave satisfied with activity, but the students even more so.
10. From the moment of arrival till taking leave of the Museum, we look after every detail, because we are not just any school. And we aim to demonstrate that to you!

	Professorat	Segon cicle d'educació infantil i cicle inicial d'educació primària	Cicle mitjà i superior d'educació primària	ESO, Batxillerat i cicles formatius
	Activitats per a professors	pàg. 11		
 Energia	La màgia de l'energia	pàg. 14		
	Les energies del futur		pàg. 20	
	L'energia en joc			pàg. 28
 Sostenibilitat	Els aïllaments de l'edifici	pàg. 15		
	Descobrim els secrets del museu		pàg. 22	
	Dissenyant un edifici sostenible			pàg. 29
 Història i societat Patrimoni	Les coves que fem cada dia	pàg. 16		
	El gas canvia la història		pàg. 25	
	Energia: el motor del canvi al segle XX			pàg. 30
 Tecnologia	Què són els motors més maques?	pàg. 17		
	Fem electricitat!		pàg. 23	
	Experiments al gas		pàg. 24	
	La física i la química del gas			pàg. 31
	Els secrets de l'electricitat			pàg. 32
	Potem les piles! Com s'acumula l'energia?			pàg. 33

Teachers

Upper nursery school and early primary

Intermediate and upper primary
Secondary School, Baccalaureate
and Vocational Training



























Muchas gracias

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