



IFP at a glance

IFP at a glance



Mission

IFP is a world-class public-sector research and training center, aimed at developing the technologies and materials of the future in the fields of energy, transport and the environment. It provides public players and industry with innovative solutions for a smooth transition to the energies and materials of tomorrow – more efficient, more economical, cleaner and sustainable.



Paving the way for a smooth energy transition

Growing world energy demand, the gradual peaking of oil and gas production, environmental imperatives and the difficulty of achieving any rapid large-scale substitution in the fields of transport and petrochemicals: these are the factors that will shape the energy landscape of tomorrow.

In such a context, it is essential that we develop new solutions to gradually take over from these energy sources without delay, while simultaneously inventing technologies to optimize oil and gas use.

To fulfill its mission, IFP has 5 complementary strategic priorities.

5 complementary strategic priorities for a smooth transition to the energies of tomorrow

IFP has hinged its research around 5 priorities that form the foundations upon which its research programs are defined and organized.



Capturing and storing CO₂ to combat the greenhouse effect

As the bulk of CO₂ emissions result from energy use, efforts to reduce them must be combined with efforts to capture CO₂ wherever possible, i.e. primarily at industrial sites. IFP is developing processes for CO₂ capture, transport and underground storage, in order to prevent its release into the atmosphere.



Diversifying fuel sources

To alleviate the transport sector's dependence on oil, IFP is working on transforming biomass, gas and coal in a bid to develop the fuels of tomorrow, such as biofuels. It is also examining longer-term solutions, such as hydrogen.



Developing clean, fuel-efficient vehicles

Supported by its cutting-edge experience in the field of powertrains, acquired in partnership with the world's major automobile manufacturers, IFP designs and perfects technological solutions aimed at constantly reducing fuel consumption and minimizing the environmental impact of vehicles.



Converting as much raw material as possible into energy for transport

On the strength of its know-how in clean refining processes and petrochemicals, IFP is developing technologies that will make it possible to produce larger amounts of environmentally-friendly fuels and composites.



Pushing back the boundaries in oil and gas exploration and production

Because oil and gas exploration has so far been carried out only at the most accessible sites, IFP is inventing and supplying the technologies needed to exploit reserves that are as yet untapped, making it possible to go further and deeper, working more efficiently and for longer.



Training

The IFP School, an integral part of IFP, meets industry's need by offering complementary graduate training programs to young engineers. The quality of its teaching, combined with the extent and diversity of its partnerships with universities and industry, make it a prominent international force. Each year, over 600 students from across the globe graduate, equipped to meet tomorrow's energy challenges.



■ Key figures

99%

the percentage of the IFP School graduates moving straight into employment

More than 80%

of students sponsored by industry

50%

foreign students in each year

Technology transfer

Fostering progress, IFP encourages the transition from invention to innovation, from patent to product and from research to industry. Since its inception, IFP has therefore been a major driving force for industrial development, with more than 13,500 patents to its credit.

From the outset, IFP has been committed to seeing the outcome of its research exploited by industry. This has prompted it to support the creation of some 30 companies, which have themselves become significant employers and exporters.

A core component of the policy of technology transfer, these businesses span all the research fields in which IFP is active: from oil research, consultancy and engineering to the supply of products, equipment and services, together with new energy technologies.



■ Key figures

More than 30

companies created by IFP

Some 30 SMEs

benefit from partnerships with IFP every year

More than 2,000

refining and petrochemical units in operation worldwide as a result of IFP R&D



Funding

Within its focal areas, IFP fosters knowledge transfers between long-term fundamental research, applied research and industrial development. It is funded both by a state budget and by resources provided by private French and foreign international partners.

Key figures

1710 employees

A budget of € **286.2** million
of which € **238.2** million
for R&D

2 sites at Rueil-Malmaison
and Solaize, near Lyon

A total portfolio of
13,500 active patents

Ranked amongst the top
12 patent filers in France
and the **6th** largest patent filer
in the United States in the oil
sector

A major force

in the French and European
research landscape (ANR,
competitiveness hubs,
Framework Programmes, etc.)

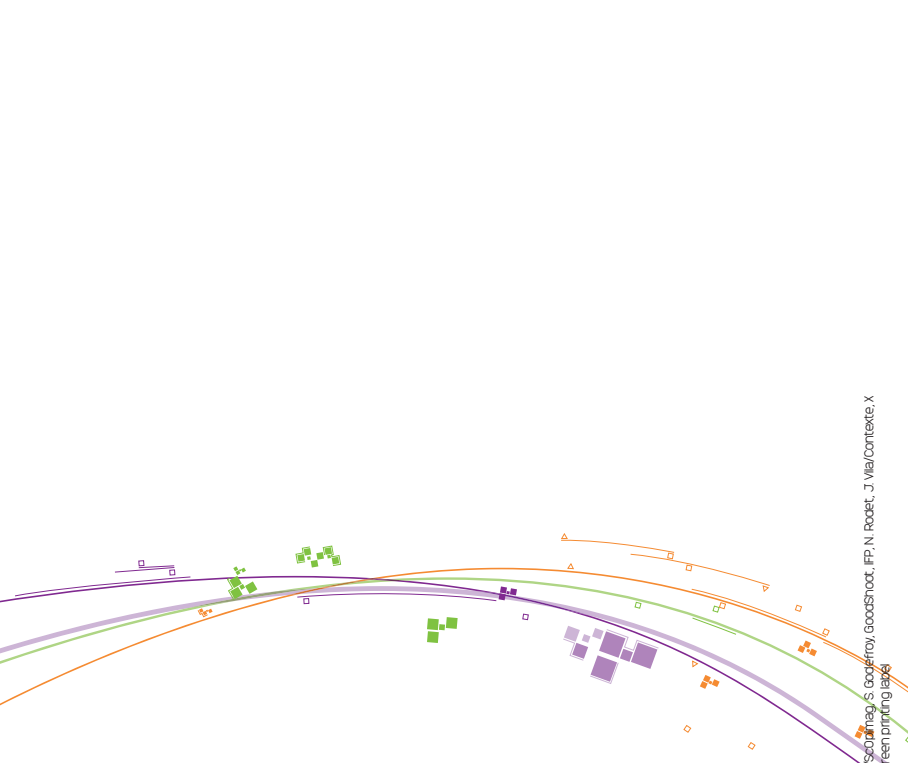
200 doctoral and
post-doctoral researchers

More than 200

scientific papers and around
a dozen books written by IFP
researchers published every
year

More than 300

partnerships with French
and international academic
communities



Innovating for energy

IFP (Head office)
1 & 4, avenue de Bois-Préau
92852 Rueil-Malmaison Cedex - France
Tel: + 33 1 47 52 60 00
Fax: + 33 1 47 52 70 00

IFP-Lyon
Rond point de l'échangeur
de Solaize - BP3
69390 Solaize - France
Tel: + 33 4 78 02 20 20

www.ifp.com