TECHNOLOGICAL SOLUTIONS FOR ENERGY DEVELOPMENT
STRATEGIC APPROACH

WE ARE THE ARGENTINIAN LEADER COMPANY IN THE
GENERATION AND TRANSFER OF TECHNOLOGICAL SOLUTION
FOR THE ENERGY INDUSTRY. A UNIQUE COMBINATION
OF THE YPF OPERATING EXPERTISE WITH CONICET´S
HISTORIC SCIENTIFIC CAPITAL.

YPF
51%
THE LARGEST ENERGY
COMPANY IN THE COUNTRY.

CONICET
49%
THE MAIN ORGANIZATION IN
ARGENTINA COMMITTED TO
THE PROMOTION OF SCIENCE
AND TECHNOLOGY.
WE HAVE BUILT THE LARGEST CENTER OF RESEARCH AND DEVELOPMENT IN ARGENTINA WITH A SURFACE GREATER THAN 13000 M2, 47 LABORATORIES AND 12 PILOT PLANTS.
BUSINESS AREAS

WE EXPLORE OPPORTUNITIES THROUGHOUT THE ENERGY SECTOR, IN A MORE COMPREHENSIVE AND DIVERSIFIED WAY, ALONG SIX AREAS:

- MATURE FIELDS
- NON-CONVENTIONAL RESOURCES
- NEW ENERGIES
- ENVIRONMENTAL SUSTAINABILITY
- GAS
- REFINERY AND PETROCHEMISTRY
**KEY CAPABILITIES**

**47 LABORATORIES**

**INDUSTRIAL PROCESSES**
- Synthesis and processes
- Fuels and special fuels
- Fluid dynamics

**PRODUCT DEVELOPMENT**
- Raw materials
- Agro and chemistry
- Lubricants and derived products
- Specialities
- Oils and additives

**MATERIALS AND NANOTECHNOLOGIES**
- Corrosion and chemicals
- Polymers and compounds
- Cement
- Non-destructive tests
- Metallurgy and welding

**RESERVOIR ENGINEERING**
- Formation damage
- Enhanced oil recovery (EOR)
- Basic and special Petrophysics
- NMR rocks
- Stimulation fluids

**ANALYTICAL TECHNOLOGY**
- Microscopy
- Molecular spectrometry
- Atomic spectrometry
- X-ray technique
- Liquid-gas chromatography
- Electrochemistry
- Experimentation room
- Analytic NMR
- Thermal and elemental analysis
- Rheology and surface phenomena
- Sample preparation

**GEOSCIENCES**
- Organic petrology and palynology
- Raman microscopy and spectrometry
- Proppants characterization
- Rock physics
- Preparation of geochemical samples
- Organic geochemistry
- Sedimentology and biostratigraphy

**ENVIRONMENT**
- Environmental and forensic chemistry
- Biology and microbiology
- Environmental technology

**RENEWABLE ENERGIES**
- Renewable energies
- Lithium batteries

**BIOTECHNOLOGY**
- Biotechnology and molecular biology

**12 PILOT PLANTS**
- Lithium batteries
- Sedimentology and biostratigraphy
- Reaction processes
- Sulphonation
- Resin-coated proppants
- Lubricants and derived products
- Agricultural
- Refining and chemical
- Regression tests
- Flow assurance loop
OPEN INNOVATION
WE RELY ON THE VALUE OF LIAISON TO ENFORCE THE REGIONAL LEADERSHIP

SCIENTIFIC SYSTEM
We complement knowledge, seniority and equipment with public and private institutions from the scientific system in innovation areas.

PRODUCTIVE SYSTEM
We cooperate with technology-based companies from other industries in order to incorporate innovative solutions in the energy sector.

INTERNATIONAL PARTNERSHIPS
We connect worldwide in order to strengthen capabilities, incorporate best practices and be ahead of the key knowledge for the industry.
INNOVATION AREAS

AREAS TO COMPLEMENT CAPABILITIES WITH THE SCIENTIFIC SYSTEM IN ORDER TO CREATE HIGH-IMPACT TECHNOLOGICAL PRODUCTS.

APPLIED RESEARCH
It brings the scientific system closer to the energy industry.

PROFESSIONAL INTEGRATION
It assembles the most important researchers of the country.

KEY TRAINING
It generates new professionals in key topics.

SPEED OF RESPONSE
It accelerates solutions for customers.

STATE-OF-THE-ART EQUIPMENT
It encourages shared use of the latest equipment.

To complement capabilities implies an opportunity for Y-TEC and for each scientific institution.