11 - RESEARCH

## LATEP LABORATORY FOR THERMICS, ENERGY AND PROCESSES

LaTEP/EA 1932

Fields of application
Energy
The environment
Biomass, biofuel
Chemical and petroleum industries
Energy production and transformation
The refrigeration and air-conditioning
industry
Engines, cogeneration

Research themes and know-how

## EXPERIMENTATION, MODELING AND SIMULATION IN:

Main equipment

High-pressure/high-temperature reactors and equilibrium cells, metrology and

associated analyses

Heat analyses, PVT and transport properties of salt systems

Mechanical dehydration tools (electrodehydration, filter press, filtration-compression cells, etc.) Unit operation pilots: crystallizers, reactive absorption, reactive distillation, Thermal energy storage pilots External combustion engines Heat transfer benches

**Partnerships** 

Industrial partnerships: AIR LIQUIDE, ALSTOM, ARAMCO, AREVA, ARKEMA, CIAT, CRISTOPIA, EADS, EDF, EUROPLASMA, FRANCE TELECOM, ENGIE, GERG, PROSIM, THERMYA, TEREGA, TOTAL, VEOLIA

Institutional partnerships: ADEME, ANR, BRGM, IRSTEA, IFPEN, Nouvelle-Aquitaine region

Spearheaded by



LaTEP in figures

etc.

PhD students and post-doctoral researchers

researchers and lecturersresearchers

Contacts:

Director:

Bâtiment d'Alembert

Rue Jules Ferry BP7511 64 075 PAU Cedex

Deputy Director: Jean-Pierre BEDECARRATS Pierre CÉZAC

pierre.cezac@univ-pau.fr

+33 (0)5 59 40 78 30

Deputy Director: Vincent PLATEL

vincent.platel@univ-pau.fr

+33 (0)5 62 56 35 12

jean-pierre.bedecarrats @univ-pau.fr

+33 (0)5 59 40 77 17

http://latep.univ-pau.fr