Reims School of Engineering

Thermal-Energy



From the thermal properties of materials and systems... ... to building and industry energy reports.

A THERMAL-ENERGY ENGINEERING SPECIALITY:

To respond to the current needs of engineers

Thermal properties of materials - Thermal properties of processes Thermal properties of buildings - Energy, Eco-design

JOBS:

THERMAL ENGINEER: Fluid engineers, design engineers, product engineers, R&D, calculations & digital simulations...

AERONAUTIC Propulsion, flows, turbomachinery... Airbus, Astrium, CNES, Snecma, Thales,... METALLURGY
Thermal cycles,
High temperatures...
Arcelor, Industeel...

Flow visualisation (GRESPI: Research Group in Engineer's Sciences)

AUTOMOTIVE
Combustion engines,
Climate change...
Constructors, parts manufacturers,
sub-contractors...

INDUSTRIAL PROCESS R&D

drying. Cristal Union, Europe Service Industrie.

AGRICULTURAL-FOODSTUFFS

FURNACES & BURNERS
Tunnel furnaces, brazing,
welding
Fives Stein, Weishaupt...

CERAMIC & PLASTICS INDUSTRY
Injection moulding, polymers,
thermoforming
Saint-Gobain, BSN, ...

ENERGY ENGINEER: Engineers Project managers, task managers, site managers, business managers, Renewable energy & sustainble development engineers...

For working as part of the *Grenelle de l'environment* [round table for tackling environmental issues] (www.legrenelle-environnement.fr, Law of 3 August 2009).

Examples of businesses: E.D.F, Véolia environnement (Dalkia), GDF-SUEZ (Cofely, Axima, etc.), ERDF, Bureau VERITAS, Qualiconsult, BET (Technical Design Department)...

ENERGY PRODUCTION AND DISTRIBUTION Energy Saving Certificates ENERGY TRANSPORT Heat networks, structural design...

BUILDING Heat balances, home automation...

GRENELLE DE
L'ENVIRONNEMENT

INDUSTRY
Resource management,
greenhouse gases,
carbon footprints

RENEWABLE ENERGIES &
SUSTAINABLE DEVELOPMENT

CONTROLLING, CONSULTING High & very high environmental quality labels, standards, rt 2012 etc.



