



**Internship in IFP School
(Rueil-Malmaison,
France)
and
IFP Training center
(Martigue, France)**





A plan

- 1) Analysis of energy-efficient systems for pipeline transport used in Europe;
- 2) The study of calculation methods related to the using of the energy-efficient equipment;
- 3) The study of the principles of operation of energy efficient equipment, its influence on the environment;
- 4) Getting of the necessary experience in the field of energy management;
- 5) The study of good practice application of the equipment for the transformation of the energy of the water being pumped by the electric pump unit by throttling the flow.





Plants

12/09/2016 Total refinery

13/09/2016 Lyondellbasell polyolefin plant

14/09/2016 Ineos petrochemical plant

15/09/2016 Coca-Cola plant





The results

- 1) Analysis of energy-efficient systems for pipeline transport used in Europe +
- 2) The study of calculation methods related to the using of the energy-efficient equipment; +
- 3) The study of the principles of operation of energy efficient equipment, its influence on the environment; + =
- 4) Getting of the necessary experience in the field of energy management; + =
- 5) The study of good practice application of the equipment for the transformation of the energy of the water being pumped by the electric pump unit by throttling the flow. +





The results

Lectures:

- ✓ Separation processes
- ✓ Characteristics and mean average properties of petroleum products
- ✓ Distillation Columns: process control and operation
- ✓ The petrochemical environment
- ✓ Kinetic aspect of chemical conversion
- ✓ Catalysis
- ✓ Required properties for industrial catalyst

Skills and moreover:

- ✓ Speaking English
- ✓ International contacts
- ✓ Intercultural competence





Thank you for attention!

