Report

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Structure

- Training centre
- Topicality and aims
- Objectives
- Program of the internship
- Results
- Questions
• IFP Training Company is a branch of the French Petroleum Institute (IFP Energies nouvelles), a world leader in the field of services for vocational training in the oil and gas industry.
Topicality and aims

«Development of a method of smoothing disturbances arising in the flow of fluid in the pipeline»

• The aim of this research is to develop a stand for the industrial testing of anti turbulent additives
• Oil transportation through pipelines can be increased significantly due to the use of anti turbulent additives
Objectives

• To explore the technology of additives production
• To visit a test laboratory of anti turbulent additives
• To develop a test stand project for quality assay of anti turbulent additives
Program of the internship

• First week
  – OVERVIEW OF REFINING
    Visit refinery industrial site
  – OVERVIEW OF PETROCHEMICAL
    A visit to the steam kreging and chemical plant
  – EXAMPLES OF PLASTICS PROCESSING
    A visit to the industrial site
Turbulence Rheometer (TR)

- Study anti turbulent additives (ATP)
- Research of ATP efficiency
- Optimization ATP
- Quality control
Schematic diagram of the test bench
The main contributions

– the technology of oil refining and petrochemistry
– the scheme stand for the assay of additives quality
– a unique test bench scheme