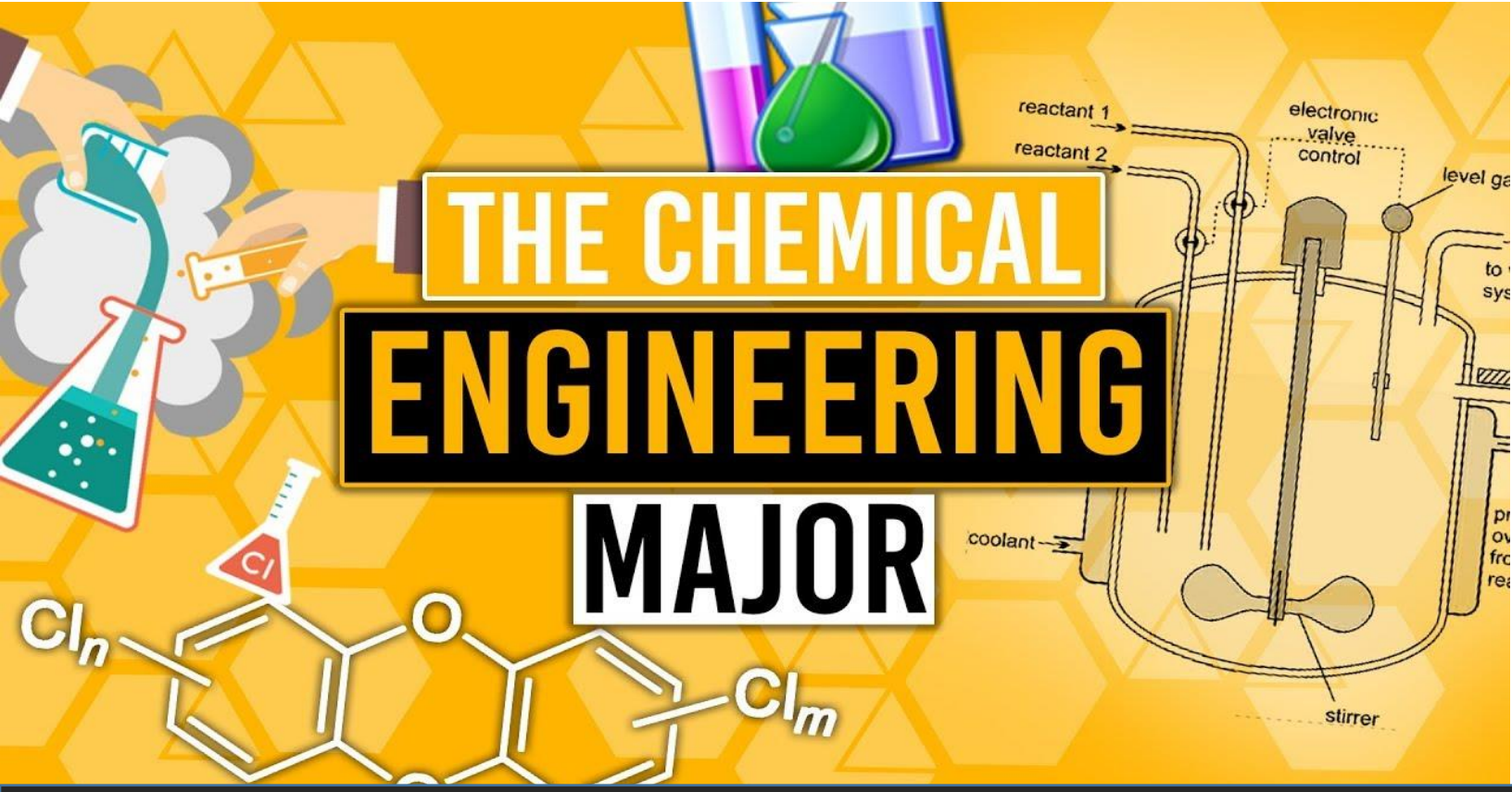

Hi-Tan Number and Solutions

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BTS
Training & Consultancy

Hi-Tan Number and Solutions

Course Description:

The aim of this course is to develop advanced understanding of the chemical structure of crude oil with Hi-TAN number, its problems and solutions. The course is designed to improve the participant's understanding of the approach to building Integrated Production Understanding of available technologies.

Who Should Attend?

- Production staff
- Chemical engineers
- Petroleum engineers

Course Objectives:

- Comprehensive understanding of hi-TAN chemistry
- Basic understanding of the available technologies
- Understanding the limitations and the problems of the current technologies
- Understanding of multi-industrial developing technologies

Course Schedule:

Day 1

- Hi-TAN definition
- Chemistry of Hi-TAN
- Problems with Hi-TAN
- How important to decrease TAN

Day 2

- Current and future solutions
- Blending
- Using proper material (higher chrome and/or molybdenum)
- Removal of Acids from crude
- Destruction

Day 3

- Decarboxylation
- Heating upto750 F
- Mix with lime (CaO), heat to 500 F

Day 4

- Adsorption
- On a nickel oxide
- On an ion exchange resin
- Extraction
- Polar solvent

Day 5

- Solution at Source – Removal of Acids from crudes in reservoir
- Microbiological solution
- Injection of inhibitor
- Refinery solutions