

# 75m3/h Effluent Treatment Plant of Cloves Factory, 2022

for Innolatex Ltd.,Hatyai, Thailand

#### PENINSULA FLUID SERVICES SDN BHD,

A-8-07, Menara Prima, Jalan PJU 1/37, Dataran Prima, 47301 Petaling Jaya, Selangor Darul Ehsan,

Malaysia.

Tel: 603 – 7887 0708





# **Effluent Treatment Plant, Innolatex Ltd.**



Industrial effluent can contain various pollutants that can harm the environment if left untreated. The system, designed, supplied and installed by Penfluid is an industrial effluent treatment system that uses a combination of technologies to remove pollutants and ensure that the treated effluent meets regulatory standards.



## **Needs Statement**

The scope of supply is to design, procure, deliver, install, test and commission the DAF based Effluent Treatment Plant of 75 m3/h.

# Wastewater Discharge Quality:

The effluent discharge quality shall meet

COD <= 750 mg/L

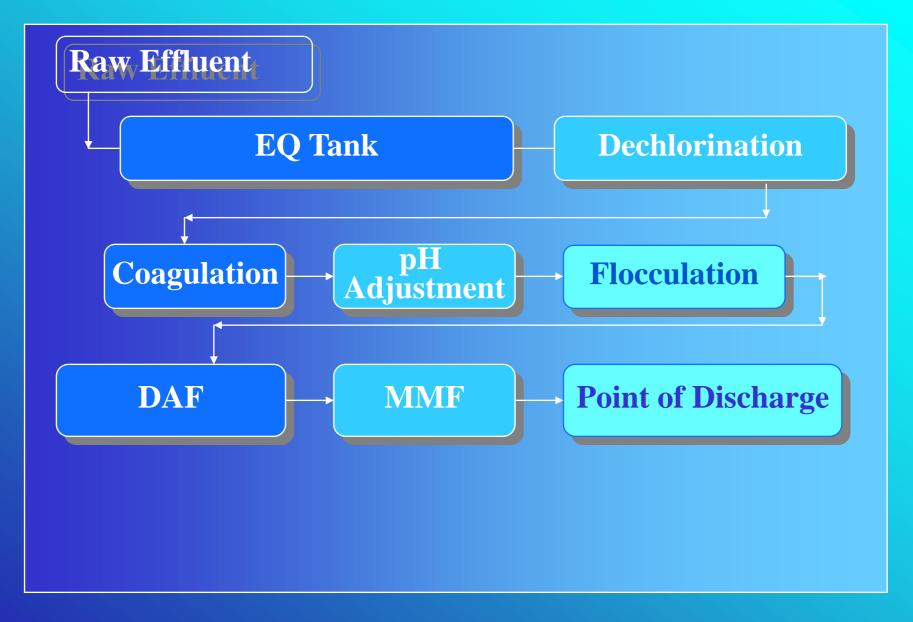
= 500 mg/L

SS <= 100 mg/L

TKN <= 10 mg/L

pH 5.5-9.0

## **Process Flow Concept**



# **Process – Equalization Tank**



# **Process – Chemicals Dosing + DAF Pretreatment**



#### **Process - MMFs**



# **Process – Sludge Tank + Screw Press**





# **Process – Chemicals Storage and Dosing**





#### **Process Control - MCC/LCP**

