



Specialist in  
Esterification plants  
Reduction of fatty acid from  
15-85% down to 1-2%

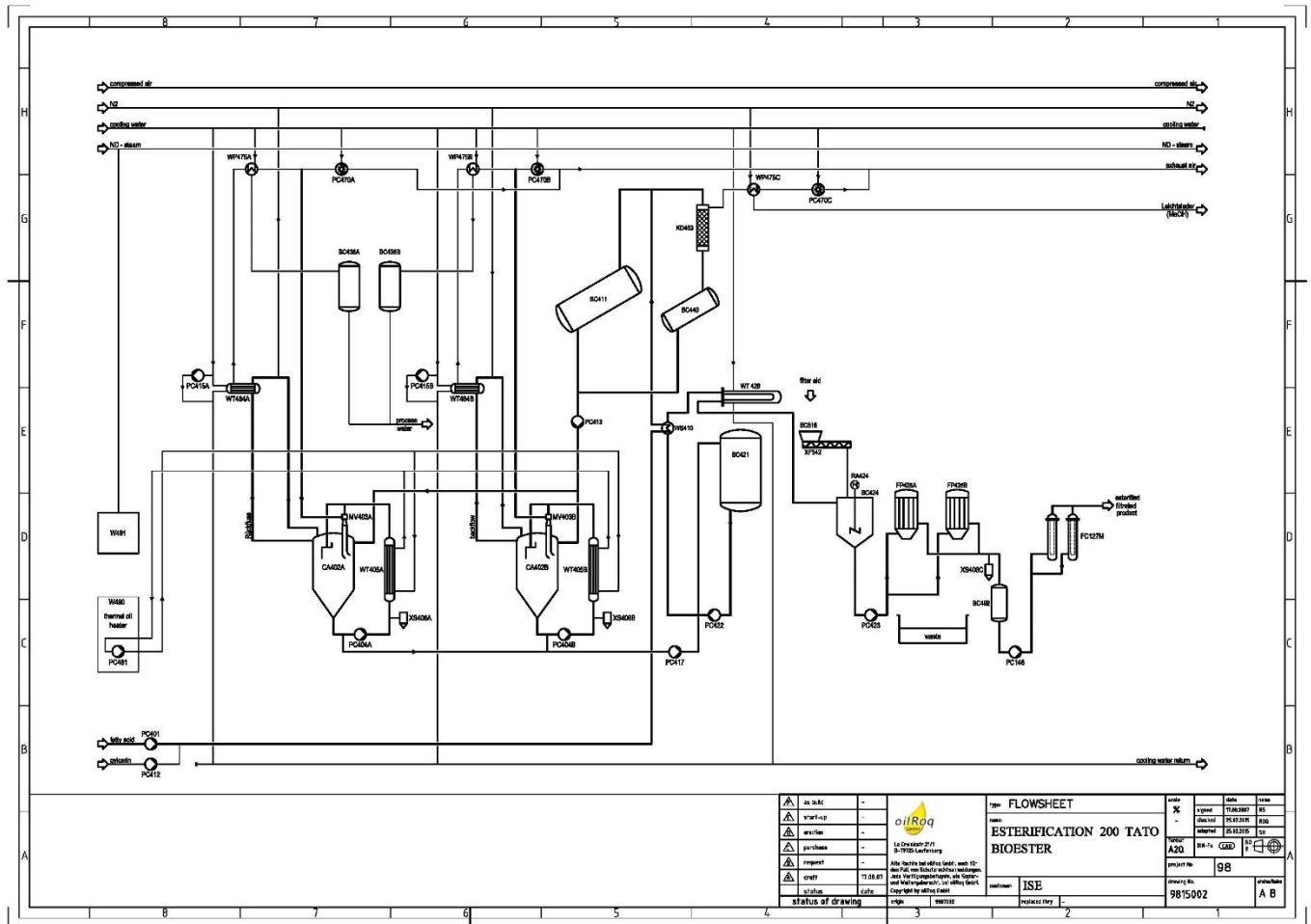


- Biodiesel plants  
Esterification of side stream fatty acid for return into the main product stream
- Esterification of waste fatty acids  
Waste fatty acid by esterification with glycerol will be converted into eco-fuel for combustion in gen sets
- Food, Feed and Oleochemical industries  
Production of functional esters as energiser (MCT), lubrication oil, printer etc.
- Cosmetic industry  
Esters with multi-functional properties.



# Specialist in Esterification plants Reduction of fatty acid from 15-85% down to 1-2%

process: The proven process works without catalyst and reaches  
a conversion of 99%.



references:

Baujahr	Firma / Ort	Anlagen
2005	Biodiesel Schwarzheide	20 t Loop esterification of fatty acid from side stream
2005	Peter Greven Fettchemie	10 t Loop Veresterung GMP Standard
2008	AVG, Magdeburg	2 x 20 t esterification with filtration of waste fats / eng.
2009	Natoleo Dubois	13 t esterification of MCT with filtration for food app.
2010	Lurgi / Rotterdam	20 t esterification of PO fatty acid
2010	Carolino	10 t esterification of MCT
2011	Lurgi / Rotterdam	20 t esterification of PO fatty acid
2013	Peter Greven	30 ltr trial center
2015	Xinli	2 x 30 t Loop esterification plant