

APPLICATION INFORMATION N° 502  
PLANT ENGINEERING



# Trimod'Besta

Palm oil production, Malaysia

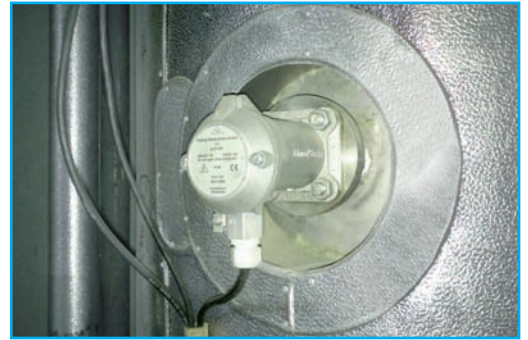
## What is palm oil?

Palm oil and palm kernel oil is an important and versatile vegetable oil which is used as a raw material for both food and non-food industries. Obtained from the fruit (both the flesh and the kernel) of the oil palm tree, it contributes to the economic development of the producing countries and to the diets of millions of people around the world. Oil palms can grow 20 metres tall with leaves up to 5 metres long. They bear clusters of fruit all year long, with each fully matured cluster weighing up to 50 kg.

Oil palms are highly efficient oil producers, with each fruit containing about 50% oil. As a result they require ten times less land than other oil-producing crops. Palm oil and palm kernel oil are entirely GM (Genetically modified) free. Vegetable oil production around the world totals over 144 million tones per year, of which over 47 million tones is palm oil. Along with soy oil, palm oil makes up 60% of world production.

From the 1990s to the present time, the area under palm oil cultivation had increased by about 43%. Today, seventeen countries produce palm oil, though Malaysia and Indonesia account for 85% of global palm oil production, where 4.5 million people earn a living from palm oil.

The top five producing nations are Indonesia, Malaysia, Thailand, Nigeria and Colombia.



## Requirement for level switches

- Use in tank for collecting liquid fatty acid
- Pump control function with two switches
- Operating temperature  $T_o$  150°C to max. 250°C
- Operating pressure  $p^o$  2 mbar
- Microswitch with SPDT contact

### Why Trimod Besta?

Withstands the high operating temperature of 250°C (tank) and 300°C (production process) and guarantees for reliable control.



### Installed level switch types

Standard version with square flange, Type: A 01 041

