



SEP-ISYS™ EWT for Anjung Kecil and Kayu Manis Field.



SEP-ISYS™ EWT installed on FSU Nautica

## SEP-ISYS™ EARLY WELL TEST (EWT)

The development of marginal fields is creating a market for compact separation modules that can perform early well testing and continue with early production of wells for a short duration of period. The SEP-iSYS™ Early Well Test, a jointly developed and owned technology with PETRONAS, is a compact and light-weight module that is able to perform efficient three phase separation.

### ABOUT THE SYSTEM

The system provides high separation efficiency through effective handling of slug and sand, selective inlet liquid heating, stable inlet three (3) phase separation and high liquid droplet removal efficiency from gas. This proprietary system is designed with no rotating equipment and with minimal controls, thus, ensuring very high reliability and availability and low operational manning requirements.

### MAIN FEATURES AND BENEFITS

- Capable of handling large volume of slug and sand with minimal pressure drop;
- Reduces the size of the slug handling component of the system as liquid hold-up and degassing is undertaken in the downstream separator;
- Smaller three (3) phase separator as it is sized for minimal gas handling and does not require any gas outlet devices;
- Reduction in polishing scrubber's size as it need not have to cater for any liquid hold-up and surge volume;
- Designed with minimal instrumentation, control and shutdowns; and
- Eliminates the need for rotating equipment in the process system thus increasing the system's reliability and availability.

**TRACK RECORD**

SEP-iSYS™ EWT for Anjung Kecil and  
Kayu Manis Field

Client:  
MTC Berhad

Operating Capacity:  
Maximum Liquid : 11000 BOPD  
Maximum Oil : 9000 BOPD  
Maximum Water : 2000 BWPD  
Maximum Gas : 40 MMscfd  
Design Pressure : 17 barg

Package Dimensions:  
Length : 8.0 m  
Width : 10.0 m  
Height : 12.0 m  
Dry Weight : 85 tons

Location:  
Anjung Kecil and Kayu Manis Field, Sarawak

Status:  
Production Since September 2013



SEP-iSYS™ EWT

Client:  
Gryphon Energy Sdn. Bhd.

Operating Capacity:  
Maximum Liquid : 10000 BOPD  
Maximum Oil : 10000 BOPD  
Maximum Water : 5000 BWPD  
Maximum Gas : 10 MMscfd  
Design Pressure : 17 barg

Package Dimensions:  
Length : 8.0 m  
Width : 10.0 m  
Height : 10.0 m  
Dry Weight : 80 tons

Status:  
Completed in October 2013