

## *Oil Discharge Monitoring and Control System*

*Easy to Handle - "One Button Touch" Operation*

*Simple Installation and Commissioning*

*Meeting the Latest IMO Requirements*

*Low service demand*

The CleanTrack Oil Discharge Monitoring and Control system is approved and certified in accordance with MARPOL 73/78 Annex I, Reg. 15(3)(a), IMO Res. A.586(14) and MEPC.108(49). The CleanTrack ODME is also certified for Oil-like substances as per Annex II, Reg 14.

Due to the simplicity of the sampling system, installation is flexible and easy both for newbuildings and for existing tankers eg. replacing of old systems. A unique cell fresh water flushing and backflushing feature keeps sampling piping, pump and valves clean, leaving the sampling system filled with fresh water at shut-down.



### **OPTEC-TEAM WORLD WIDE SERVICE NETWORK**

World wide network of trained Service agents

Installation, Commissioning & Crew training

Life Time Maintenance program

Local spare parts stock

24 hour service phone

---

#### **OPTEC-International Ltd**

Henry Ford Str. 5 B, FIN-00150 Helsinki, Finland  
Tel. +358 9 6229-210 AOH (24h) +358 9 6229-2117  
Fax +358 9 6229-2112 info@optec.fi www.optec.fi

## *LIFE TIME MAINTENANCE POLICY*

Our maintenance program covers the life span of marine and industry equipment delivered or handled by Optec. This includes well documented crew training and flexible maintenance programs, including the following customer features:

- \* Global service network
- \* Spare part stock and service
- \* Crew training and maintenance instructions
- \* Annual and 5-year maintenance programs
- \* System upgrade and certification
- \* Maintenance program administration

Our main goal is to ensure reliable and economic operation of all equipment and systems delivered or handled by Optec and its global service Team.

Optec has over 20 years of global maintenance management experience. Our on-line Service Data bank contains records on our installations, customer information as well as system maintenance records. Our Maintenance Program administration devises proper communication with our customers. Our Quality Assurance system is based on the ISO 9001 standard. We attend to a fleet of over 1500 ships in global traffic.

***AROUND THE CLOCK - AROUND THE YEAR - AROUND THE WORLD***

*FIN \* BRA \* CHI \* CRO \* CYP \* BUL \* ESP \* EST \* FRG \* GRE \* HOL \* HKG \* KOR  
LAT \* LIT \* POR \* ROM \* RUS \* SIN \* TPE \* TUR \* UAE \* UKR \* USA*

## ODME SYSTEM REPLACEMENT

Replacing an existing ODME-system with CleanTrack 1000

### 1 CLEANTRACK - ROBUST BUILD

Neither fragile expensive optical cables nor capillary piping. The CleanTrack units are easy to install, commission and operate. The CleanTrack system is certified in accordance with MARPOL 73/78 Annex I, Reg.15(3)a, IMO Res. A.586(14) and MEPC.108(49) The CleanTrack is also certified for Oil-like substances as per Annex II, Reg.14

### 2 THE LEADING ODM SYSTEM - KEEPS CELL AND PIPING CLEAN

Unique fresh water flushing of the measuring cell once a minute.  
Automatic back flushing of sample line with fresh water.  
Manual cleaning and maintenance work minimized.  
Automatic detergent flushing option.

### 3 LEAST AMOUNT OF REPLACEMENT WORK AND MATERIAL

Sample piping simplified to only one input and one output pipe. No automatic valves needed.  
No fresh water tank needed.  
No new cabling between converting unit in E/R and Control Section in the Cargo Control Room (CCR) needed.  
No additional solenoid valves or new control air pipe penetrations between Engine Room and Pump Room.  
Easy replacing of Control Section in the CCR. The CleanTrack Computer unit can be either panel or wall mounted.

### 4 FLEXIBILITY AND OTHER ADVANTAGES

Flexibility in locating the compact Converting unit in the Engine Room.  
Shorter sample piping, equals faster response time.  
Replacement can in most cases be performed as cold work, without taking the vessel out of traffic.

### 5 LOCAL SUPERVISION AND WORK

Optec has a more than 20-year record of both installation and maintenance of ODM systems. Our local service stock and specialists ensure a continuous response to customer calls.

#### **AROUND THE CLOCK - AROUND THE YEAR - AROUND THE WORLD**

*BRA \*BUL \*CHI \*CRO \*CYP \*ESP \*EST \*FIN \*FRG \*GRE \*HOL \*HKG \*KOR*

*LAT \*LIT \*POR \*ROM \*RUS \*SIN \*TPE \*TUR \*UAE \*UKR \*USA*

*Global Coordination: Optec-International Ltd, Finland*

