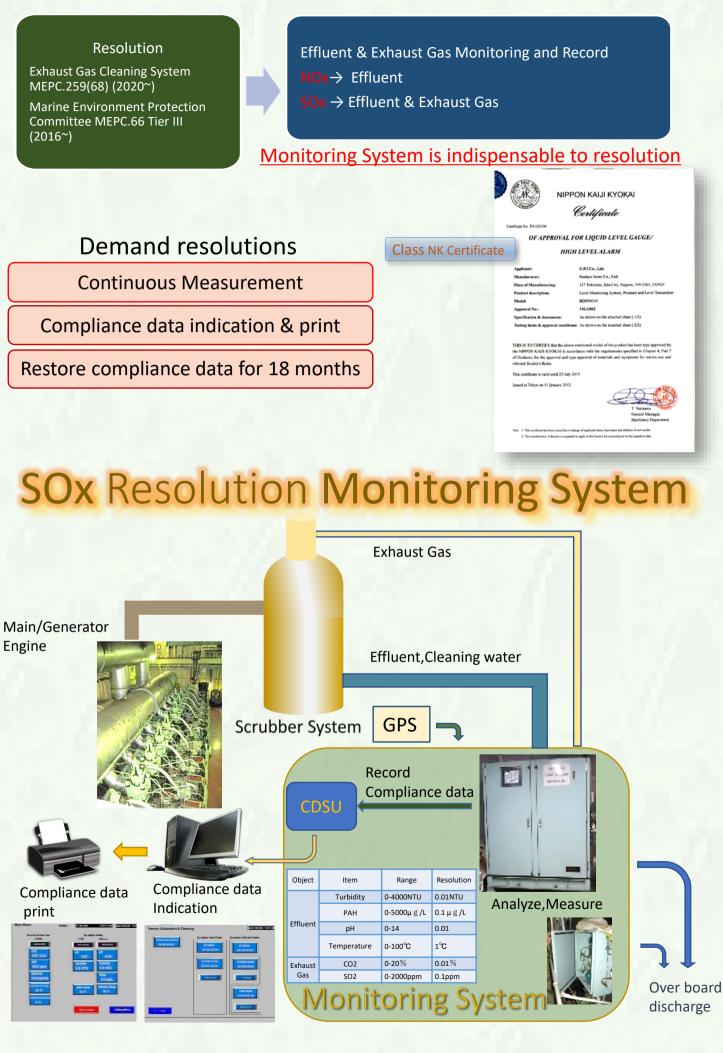
Exhaust and Effluent Monitoring System





URL: http://www.u-p-i.co.jp

Background of development



Exhaust and Effluent Monitoring System

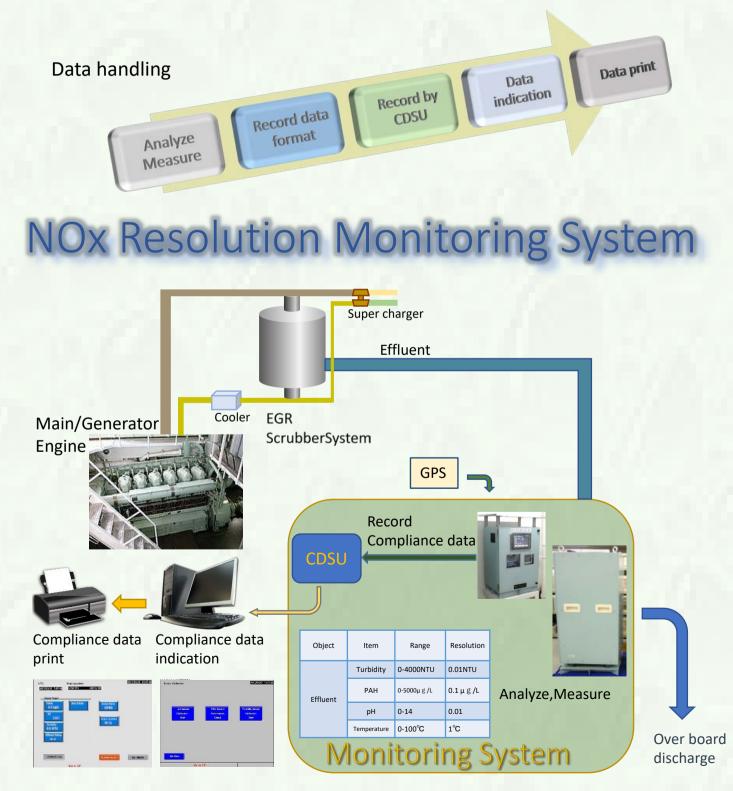
The system, EEMU comply with IMO resolution MPEC.259(68) requiring to reduce SOx and WWMU comply with MEPC 66 and Tier III requiring to reduce NOx. Resolutions indicated in 2015 Guideline for Exhaust Gas Cleaning system. Reflecting the guideline, EEMU consists of Monitoring & Recording system that is required in Scheme B of this guideline.

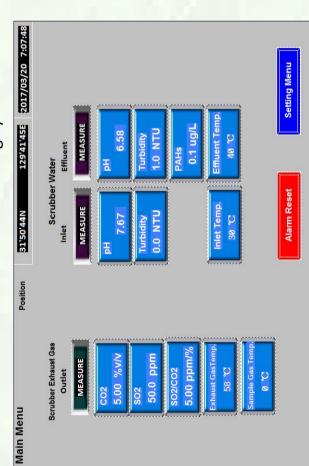
The EEMU is connsisting of Exhaust Gas Analyzer and Effluent Analyzer.

Exhaust Gas Analyzer measures SO2 and CO2 from scrubber outlet Gas, and Effluent Analyzer measure pH, Turbidity, and PAH from Scruber wash water.

WWMU meaures pH, Turbidity and PAHs from EGR scrubber water.

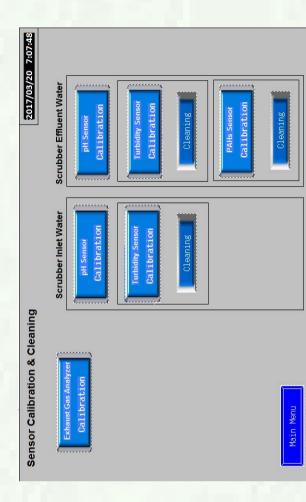
Both of analyzed value obtained through the system will be recorded for 18 months in robust tamper-proof designed memory by CDSU together with position and Time data.

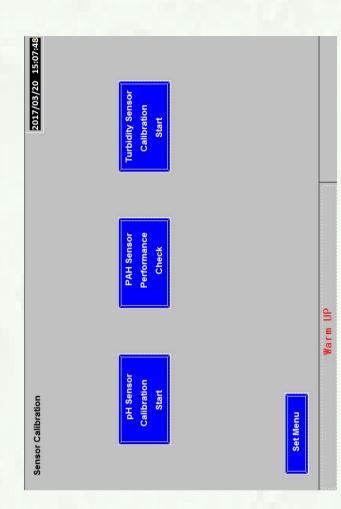




Touchscreen for NOx Resolution Monitoring System

2017/03/20 15:07:48		SET MENU	
129'41'45E	Outlet Valve OPEN B0 %	ALARM RESET	
Ship's position 31'50'44N 12	Raw PAHs		Warm UP
UTC 2017/03/20 7:07:48	Waste Water PAHs 0.1 ug/L 0.1 ug/L 7.67 7.67 7.67 0.0 NTU 0.0 NTU 8.0 C	Alarm & Log	





Touchscreen for SOx Resolution Monitoring System

WORLDWIDE AGENTS AND AFTER SERVICE NETWORK





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