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Advanced Maritime Emissions Control System

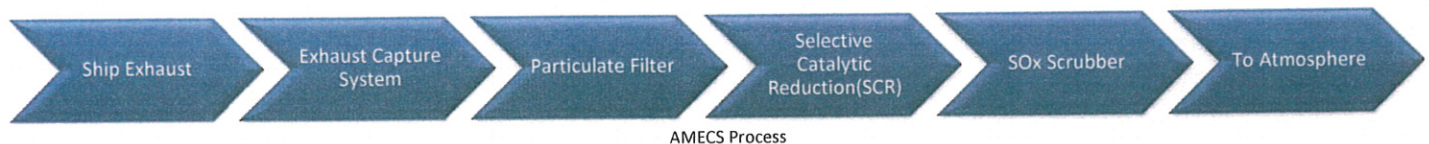
The Advanced Maritime Emission Control System (AMECS) has been in development since 2004. After years of work, several patents and over 1,500 hours of documented testing, the AMECS system stands as the **ONLY CARB-approved alternative technology** to shore power.

AMECS captures and removes airborne emissions from auxiliary engines and auxiliary boilers of ocean-going vessels at berth. No modification of the vessel is required and there is no impact on loading or offloading operations.

The AMECS system has confirmed control efficiencies of:

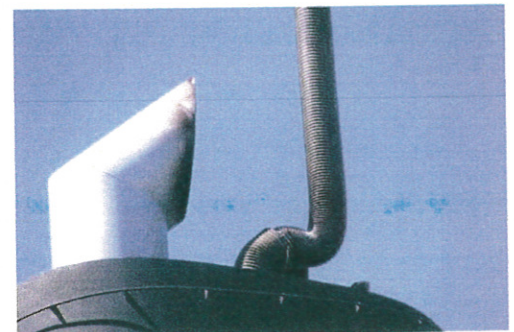
PM.....	94.5%
NO _x (@1.6ppm ammonia slip).....	99 +%
SO ₂	98.5%
VOCs.....	99.5%

AMECS is comprised of two major components: The Exhaust Capture System (ECS) and the Emissions Treatment System (ETS). The AMECS ETS is composed of an active diesel particulate filter (DPF), selective catalytic reduction (SCR) technology, and an SO₂ scrubber.



Key Benefits

- AMECS is the **ONLY CARB-approved** alternative technology under the at-berth regulation
- AMECS does not require **ANY** costly ship modifications.
- Barge-based systems provide universal availability and are independent of the power grid.
- Berth-based systems can handle several ships at the same time.
- AMECS can be deployed rapidly upon arrival – in minutes.
- AMECS does not expose ships and operators to ever-increasing power rates and power grid instability.
- AMECS captures emissions for all types of fuel at the same high emission reduction rate.



For further information contact Ruben Garcia at 310-505-9636 or via email at Info@AdvancedEmissionsControl.Com