

Selected SCR Retrofit Projects References

This document summarizes four marine SCR (Selective Catalytic Reduction) retrofit reference projects, covering bulk carriers, chemical/oil tankers, container vessels and other ship types. Main engines are supplied by Everllence (formerly the marine business of MAN Energy Solutions) and AKASAKA.

Project Overview

#	Vessel Type	Main Engine	Output / Speed	Scope
1	210,000 DWT Bulk Carrier	Everllence 6S70ME-8.1	16,860 kW / 91 rpm	SCR Engine Matching Test - On-Site
2	12,834 DWT Chemical / Oil Tanker	Everllence 6S35MC-C9.2	4,500 kW / 144 rpm	SCR Retrofit Reference Project
3	950 TEU Container Vessel	Everllence 6UEC35LSE-C1	5,610 kW / 167 rpm	SCR Onboard Installation
4	6,300 DWT Vessel	AKASAKA A41S	2,647 kW / 240 rpm	On-Site Photo

Project Details

1. 210,000 DWT Bulk Carrier — SCR Engine Matching Test



210,000 DWT Bulk Carrier

Engine Model

Everllence 6S70ME-8.1

Output / Speed

16,860 kW / 91 rpm

Scope

SCR Engine Matching Test - On-Site

The on-site photo shows the engine test bed: matching tests between the SCR system and the main engine are being carried out inside a large workshop equipped with heavy machinery and overhead cranes.

2. 12,834 DWT Chemical / Oil Tanker



12,834 DWT Chemical / Oil Tanker

Engine Model

Everllence 6S35MC-C9.2

Output / Speed

4,500 kW / 144 rpm

Scope

SCR Retrofit Reference Project

The on-site photo shows the red-hulled chemical/oil tanker with its white superstructure, berthed in near-shore waters.

3. 950 TEU Container Vessel — Onboard Installation



950 TEU Container Vessel

Engine Model

Everllence 6UEC35LSE-C1

Output / Speed

5,610 kW / 167 rpm

Scope

SCR Onboard Installation

The on-site photo shows the container vessel underway with stacked containers on deck; the SCR system has been installed on board.

4. 6,300 DWT Vessel — AKASAKA Engine Project



6,300 DWT Vessel

Engine Model

AKASAKA A41S

Output / Speed

2,647 kW / 240 rpm

Scope

SCR Retrofit - On-Site Photo

The on-site photo shows the red-hulled vessel moored alongside a pier, with the retrofitted AKASAKA main engine in operation.

Summary

- **Wide vessel coverage:** bulk carrier, chemical/oil tanker, container vessel and general cargo vessel, ranging from 6,300 DWT to 210,000 DWT.
- **Diverse engine brands:** mainly Everllence (MAN) two-stroke low-speed engines (6S70ME, 6S35MC and 6UEC35LSE series), plus an AKASAKA medium-speed engine case.
- **Broad power range:** from 2,647 kW to 16,860 kW, with speeds spanning 91–240 rpm.
- **Complete project portfolio:** covering both SCR–engine matching tests and actual onboard installation and delivery, demonstrating full capability from test verification to engineering implementation.

This summary is compiled from the reference sheet "Selected SCR Retrofit Projects References".