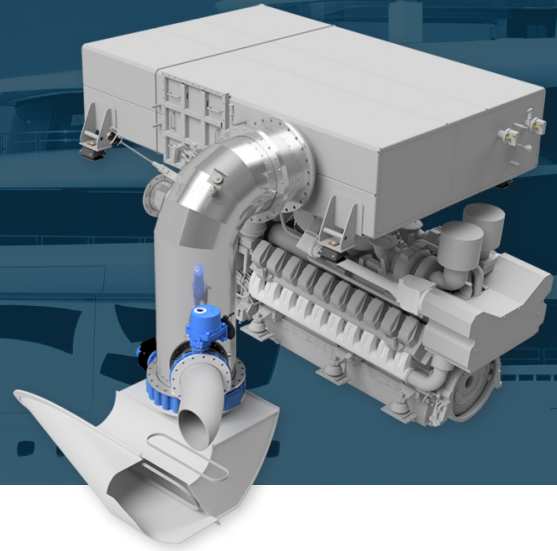




Exclusive yacht exhausts,
expertly engineered and
integrated

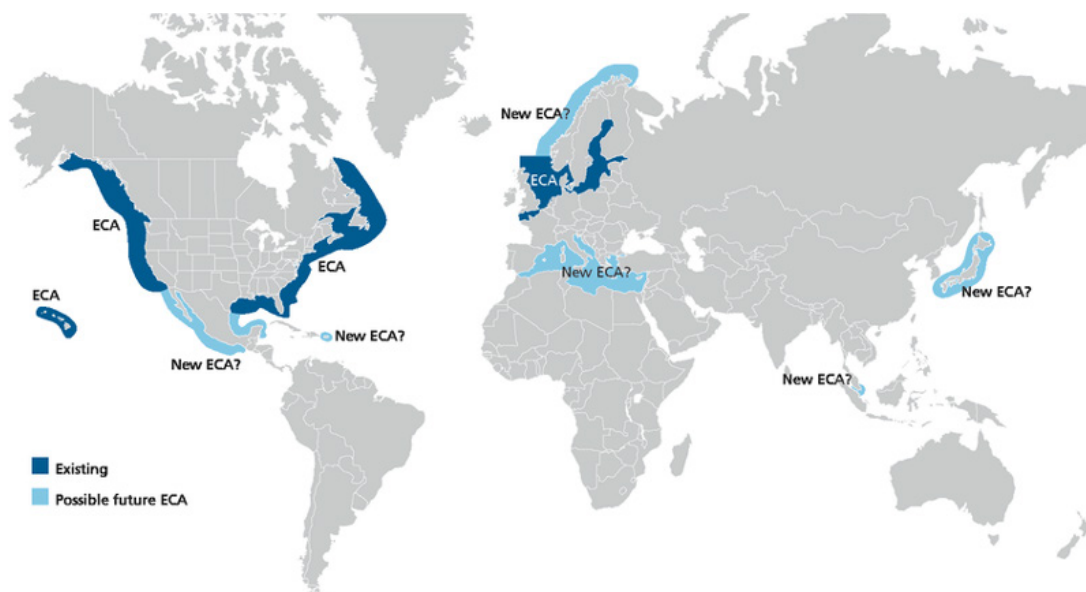
IMO Tier III Regulations



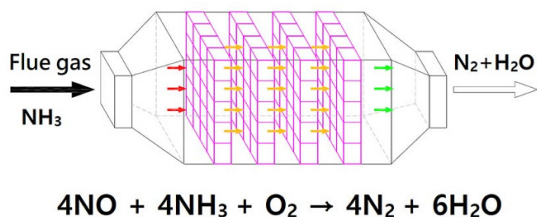
The International Maritime Organization IMO Tier III regulations represent one of the most significant environmental milestones in modern marine engineering. Introduced under Annex VI of the MARPOL treaty, the regulations were developed to drastically reduce nitrogen oxide (NOx) emissions generated by marine diesel engines > 130 bKw operating in designated Emission Control Areas (ECAs).

Tier III is the strictest level and became mandatory for vessels constructed on or after 1 January 2016 that are operating inside NOx Emission Control Areas (NECAs). The currently established NECAs include:

- North American ECA
- United States Caribbean Sea ECA
- Baltic Sea ECA
- North Sea ECA



The primary chemical reaction is:



Advantages of SCR:

- Very high NOx reduction efficiency
- Proven technology

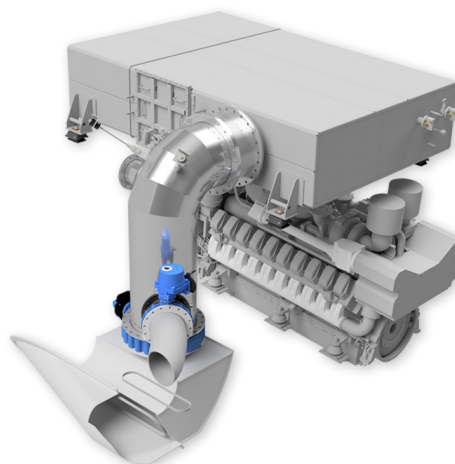
Challenges:

- Requires sufficient exhaust gas temperature
- Additional maintenance requirements

Selective Catalytic Reduction (SCR)

SCR is currently the most widely used Tier III compliance solution.

The system injects a urea solution into the exhaust gas stream. This urea decomposes at high temperatures into ammonia, which then reacts with nitrogen oxides inside a catalytic reactor.



Have a question? Contact our consultants.

Whether you need a new exhaust system for your yacht or simply have a question, we'd be happy to assist. Call us at +31 (0)78 68 10 975 or send an email to info@marquip.nl

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