



STAX

ENGINEERING

THE FUTURE OF VESSEL EMISSIONS CAPTURE AND CONTROL

STAX is an emerging leader in emissions reduction services. Founded by an industry expert and pioneer, our technology is the future of vessel emissions capture and control. Our systems are cost-effective and versatile, supporting the longevity of existing assets and facilities without modification. We offer barge-based, land-based, and mobile capture and control solutions as a service to terminal operators and fleets. STAX is the 2021 California Air Resource Board's grant recipient for technology advancement, ensuring our solutions meet expanding regulations today and in the future.



CARB COMPLIANCE: TODAY

Terminal Plans

STAX offers solutions for terminal operators, container ships, auto carriers, and tankers. Based in Long Beach, California, our team is dedicated to helping you achieve At-Berth CARB compliance without costly retrofitting. An investment of approximately \$1 Million is required to retrofit every vessel to utilize shore power today, in addition to the hourly power utility costs. STAX, however, requires no CAPEX investment—only a nominal hourly fee. STAX is the affordable and timely solution to your 2023 terminal plans and beyond.



ERaaS, Emissions Reduction as a Service, will soon be available in the Port of Los Angeles/Port of Long Beach for at-berth container ships. Starting in early 2022, STAX will offer our patented universal emissions control system as a service to fleets and terminals, delivering clear financial and environmental benefits for all.

EFFECTIVE

The patented STAX capture hood adapts to a full range of exhaust pipe configurations and angles, from straight to 90-degrees, allowing the STAX system to capture nearly 100% of emissions from all exhaust pipes. Our patented process is then effectively able to remove 99% of particulate matter (PM) and 95% of oxides of nitrogen (NOx) from the auxiliary engine and auxiliary boiler exhausts while at-berth.

SAFE

Safety considerations for container ships and tanker ships were central to the design and development of our system. Using a patented connector and automation, STAX can connect to exhaust pipes remotely, effectively eliminating the dangers of manual connections. STAX automation keeps technicians safe from fall hazards, hot exhaust pipes, high concentrations of carbon monoxide, and noxious fumes.

EFFICIENT

STAX is a reliable and customer-focused partner for your at-berth emissions control. We understand the importance of time, which is why we designed STAX to have the fastest connect and disconnect times in the industry. STAX systems can treat multiple exhausts simultaneously—2x more than others. Our team offers unparalleled service and expertise, with over 30 years of maritime operations and emissions control experience.