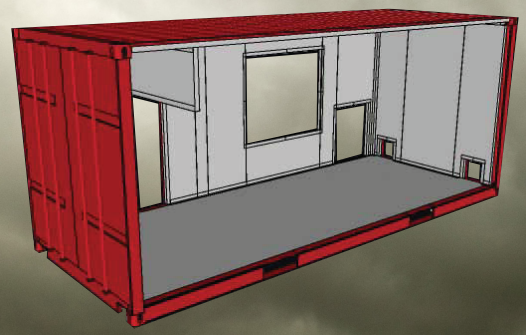
FläktGroup®
SEMCO®

TŌHOKU EARTHQUAKE AND TSUNAMI

RELIEF IN THE WAKE OF DISASTER
JAPAN, 2011

On Friday, March 11, 2011 a powerful earthquake hit the east coast of Japan and resulted in a tsunami that reached up to 133 feet high and 6 miles inland. With over 15,000 dead and unfathomable damage, relief aid could not arrive too soon. People reached out from all over the world to help the survivors rebuild. One such relief effort came from the extraordinary coordination of Enercon Engineering, headquartered in East Peoria, Illinois, with design and production assistance from FläktGroup® SEMCO®.

In the weeks following the tsunami, Japan sourced power generation modules from all over the world, including 80 units from Enercon. In less than seven weeks, Enercon outfitted the 80 CSC (Container Safety Convention) containers with FläktGroup SEMCO acoustic panels and 1500 kW generators for shipment to Japan. The turnaround time was nothing short of amazing, allowing Enercon to beat out suppliers from other countries – including China.



"WITH SEMCO, WE GOT A TOTALLY PREFABRICATED KIT. WE JUST SNAPPED IT TOGETHER AND EVERYTHING WORKS AS ONE, FULLY ENGINEERED PACKAGE. IT SAVED US A LOT OF TIME AND LABOR, AND IT WAS LESS EXPENSIVE THAN DOING IT ALL ON OUR OWN."

- ENERCON'S MANUFACTURING ENGINEER

Outfitting these containers for power generation involves careful design and acoustic engineering. Given the time constraints, it was not feasible or even financially viable for Enercon to completely outfit the containers for this type of service. Instead, the company turned to FläktGroup SEMCO to provide custom made pre-insulated panels that install inside the individual containers, providing an acoustically protected enclosure for the generators.

Using drawings provided by Enercon, FläktGroup SEMCO designed and fabricated modular tongue & groove panels to line the modified container and accommodate every air intake and access point. Consisting of dual wall construction, FläktGroup SEMCO's panels provided the STC rating required.

Once the panels arrived, Enercon employees worked extra hours to get the generator packages assembled in record time. It was a remarkable engineering and coordination effort – without the simplicity of the FläktGroup SEMCO Acoustic Panels, Enercon may have not otherwise been able to meet the demand.

FläktGroup® SEMCO® Industrial Acoustic Products combine the best of Acoustic, Thermal, and Structural performance for endless noise abatement applications. Utilizing roll-forming manufacturing, FläktGroup SEMCO's tongue-and-groove panels are available in 2" through 6" thickness with panel spans up to 16' in length. Manufactured from galvanized, stainless, or aluminum with a variety of acoustic fill, FläktGroup SEMCO also offers durable powder coat finishes, DecoCoat PC™, from an array of standard to custom matched colors to meet specific project needs.

FläktGroup® SEMCO®
Corporate Office
1800 East Pointe Drive
Columbia, Missouri 65201 USA
573 443 1481
sales@semco.com
www.semcohvac.com

Due to a policy of continuous development and improvement the right is reserved to supply products which may differ from those illustrated and described in this publication. Certified dimensions will be supplied on request on receipt of order. © SEMCO LLC 2023 All Rights Reserved. The SEMCO logo is a registered Trademark of SEMCO LLC.