

# The Port Authority of New York and New Jersey selects Locus for Construction Projects' Embodied Carbon Calculations

## Introduction

### CUSTOMER CASE STUDY

The Port Authority of New York and New Jersey (Port Authority) selected [Locus Sustainable Construction software](#) to streamline embodied carbon calculations for construction projects as part of its ongoing environmental stewardship and sustainable and resilient development. The Port Authority has been using the Waste Management application on the Locus Platform since 2019. A key factor for Port Authority was the out-of-the-box [configurability of the Locus Platform](#).

## Challenge

The Port Authority announced last September the implementation of a [Clean Construction Program](#), which will reduce carbon emissions throughout the design and construction processes. It is one of the most ambitious programs of its kind among U.S. transportation agencies.

The Port Authority performs large-scale infrastructure projects that include airport redevelopments and critical routine maintenance at bridges and tunnels. The Clean Construction Program will reduce embodied carbon from on-site construction activities and materials' manufacturing and transportation. It will also promote the circular economy by reusing materials to increase their lifespans and reduce air pollution from construction across all facilities.

The Clean Construction Program diverts a minimum of 75% of concrete, asphalt, and steel construction waste from landfills. The Program advances environmentally friendly infrastructure design, increasing the Port Authority's commitment to reducing emissions and leading the transportation sector towards a low-carbon and more sustainable future.

The Clean Construction program is a critical element of the Port Authority's sustainability plan by aggressively reducing greenhouse gas emissions outlined in the agency's first-in-sector commitment to the Paris Climate Agreement. The Port Authority has committed to reducing emissions by 35 percent by 2025 and 80 percent by 2050.

## Results

"The Locus sustainability application will enable the Port Authority of NY & NJ to have a better understanding of the environmental impact of our construction programs," said a Sr. Environmental Project Manager at Port Authority. "The construction sector is one of the largest in the world economy, with about \$10 trillion spent on construction-related goods and services every year. The construction and transportation sectors, when combined, generate the largest share of greenhouse gas emissions. We are happy that the Port Authority selected Locus software for the Port Authority's ambitious goal of leading the construction industry to reduce construction projects' carbon emissions. Locus Sustainable Construction application combines the advantages of off-the-shelf software with Locus Platform's powerful configuration tools. The Port Authority will get precisely the software solution they need to fit their business processes for the Clean Construction Program with the ability to incorporate other EHS and Sustainability data on the same unified platform in the future. We are excited to have this excellent organization select Locus." - Neno Duplan, CEO of Locus.