

Air Quality Strategy Case Studies

DP World London Gateway

DP World London Gateway is the new deep-sea container Port and Logistics Park on the north bank of the River Thames, at Stanford-le-Hope.

Operational since late 2013, the port handles some of the largest container vessels in the world. As a new, fully integrated logistics hub, DP World London Gateway has been able to design its operations with modern efficiency and technology from the outset. The port's environmental performance benefits from automated areas of the terminal needing minimal lighting and the use of efficient process-led, computer-driven equipment.

DP World London Gateway's sustainability strategy involves close monitoring of carbon emissions, with external verification of data and a commitment to year-on-year reductions in emissions from its operations. Initiatives to achieve this include: solar panels on all new buildings and kinetic energy recovery from crane operations. A new fleet of hybrid shuttle carriers is in operation, reducing fuel consumption by up to 30%. A fast-charge, fully electric shuttle carrier with zero NOX and CO2 emissions at the point of use is also being trialed by DP World London Gateway and Kalmar this year.

DP World London Gateway is implementing an air quality monitoring programme, which will provide data that contributes to the PLA's overall monitoring of air quality along the River Thames.

