

LAST-MILE FACILITIES

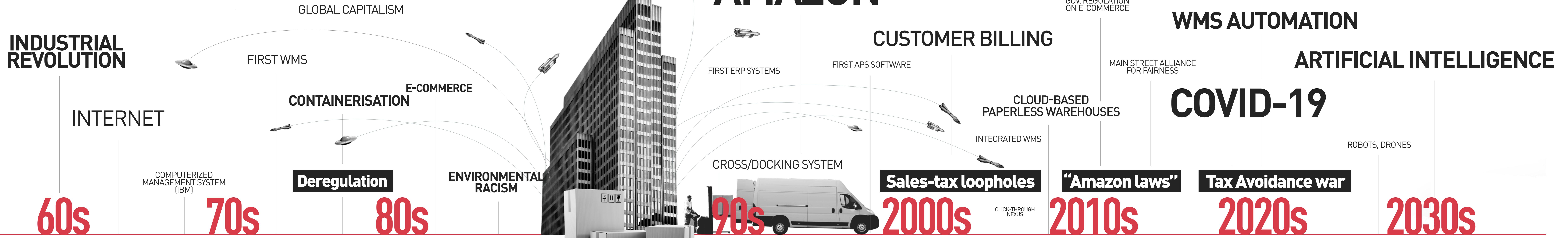
"Logistics management is that part of supply chain management that plans, implements, and controls the efficient, effective forward and reverse flow and storage of goods, services and related information between the point of origin and the point of consumption in order to meet customers' requirements." (CSCMP 2010)



70 MILLION TONS OF POLLUTION

LOGISTICS REVOLUTION

AMAZON



THE CIVIL RIGHTS MOVEMENT

The Civil Rights Movement of the 1960s provided the alarm about the public health dangers of their factories, their communities and themselves.

EMPIRE STORES WAREHOUSE

Empire Stores warehouse building, viewed from New York Street, 1948.

NEW YORK CITY SMOG

The first set of rules in New York were designed in 1924, replacing a series of unenforced legislative decrees that had expired since 1910. Initially, there were only 25 trucks. By the late 1920s, there were several dozen highways. In the 1930s state highway renumbering, some of these routes were renumbered or renumbered with hundreds of other, smaller routes were assigned.

AIR POLLUTION INCIDENT IN NEW YORK CITY, NOVEMBER 1953

Concentrations of sulfur dioxide were considerably greater than those of the previous day and above the range which was considered normal for New York City's air.

EPA (ENVIRONMENTAL PROTECTION AGENCY) FORMED

As a result of heightened public concerns about deteriorating city air, natural areas littered with refuse, and urban water supplies contaminated with dangerous impurities.

CLEAN AIR ACT AMENDMENTS

Law that defines EPA's responsibilities for protecting and improving the nation's air quality and the atmospheric ozone layer. Legislation passed since then has made several minor changes.

NEW YORK CITY SMOG (continued)

Major air pollution episode and environmental disaster, smog covered the city and the surrounding areas with toxic pollutants at very high levels. It was the third major smog event in New York City. In three days the city was covered in a thick cloud of carbon monoxide, sulfur dioxide, nitrate, and haze. It was declared a "third stage alert". The smog had significantly harmed health. "The air quality had suffered serious health effects, such as stinging eyes, coughing, and respiratory distress. A statistical analysis published in October 1953 found that 148 deaths had been caused by the smog." (Times New York City smog Wikipedia)

NEW YORK CITY SMOG (continued)

Even before 1946, New York City had serious air pollution problems. It was declared one of the worst affected cities because it had more motor-vehicle emissions proportional to its land area. National health effects would only measure in the smog, immediate aftermath. Some of the health effects were themselves delayed for example, most of the serious effects on the older population would only manifest days after initial exposure.

MEMPHIS SANITATION STRIKE

The first time African-Americans mobilized a national group to oppose what they considered environmental racism. Better working conditions and pay for janitors, Memphis, Tennessee, garbage workers.

NEW JERSEY MEADOWLANDS AREA

Forgave Industrial Partners assembled over 500 acres of parcels city, high-bay warehouses where hundreds of purchased building facilities as if it was a free field.

NEW YORK TIMES 1987

Digital version of an article from The Times and archive, before the start of urban publication in 1994.

MEADOWLANDS GLANCES BACK AT DIRTY PAST

Local law firms tried to block the plan. The Meadowlands district, in Westchester, New York, was the site of a major industrial and transportation hub. In the 1950s, it was the site of a major industrial and transportation hub. In the 1950s, it was the site of a major industrial and transportation hub.

POLLUTION - EMISSIONS

Zoning ordinances are one of the tools of urban policy. The graph below shows that between 1980 and 2019, gross domestic product increased 102 percent, while miles traveled increased 114 percent, energy consumption increased 20 percent, and U.S. population grew by 14 percent. During the same time period, total emissions of the six major air pollutants increased by 73 percent. The graph also shows that between 1980 and 2019, CO2 emissions rose by 123 percent. (U.S. Green Building Council)

RACIAL-ETHNIC DISPARITIES IN POLLUTION

The study found that black Americans are exposed to about 56% more pollution than white people. The study also found that non-Hispanic black people are exposed to about 40% more pollution than white people. The study also found that non-Hispanic black people are exposed to about 40% more pollution than white people.

ANNUAL MEAN PM2.5 CONCENTRATION BY NEIGHBORHOOD

The New York City Community Air Survey (NYCAS) PM2.5 annual particle data and a half million or so in width and are produced by the city's air quality monitoring system. The data shows that pollution is highest in the South Bronx and the East Harlem areas.

TRAFFIC FLOW, AIR POLLUTION, AND NOISE POLLUTION

Warehouses significantly increase truck and vehicle flow, especially for overnight line deliveries. These increases translate into small increases in local traffic and noise exposure for the neighborhood. Small increases in air pollution because the community seeks to avoid additional traffic and noise. The study also found that additional facilities in the area that may increase traffic and noise pollution, as well as taking into account environmental assessments. Focus should be placed on decreasing traffic and pollution in low-income communities, rather than creating additional traffic facilities.

EXECUTIVE ORDER 12898 (POLLUTION PREVENTION ACT)

The Office of Environmental Equity was established, based on recommendations of the Environmental Equity Working Group. In 1994, the order was issued by the Office of Environmental Justice (EJ).

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VERTICAL URBAN WAREHOUSES

Many empty, vertical urban warehouses and factories were converted into self-storage facilities. These were converted into self-storage facilities. These were converted into self-storage facilities.

ENVIRONMENTAL PROTECTION AGENCY

EPA imposes limits on diesel fuel sulfur content to help buses and trucks meet the 1995 emissions standards. EPA imposes limits on diesel fuel sulfur content to help buses and trucks meet the 1995 emissions standards.

POLLUTION PREVENTION ACT

The PPA was designed in large part to help U.S. businesses transition the way they thought about manufacturing products and processes, and how to reduce costs by rethinking waste.

MOTT HAVEN IN THE SOUTH BRONX

Mott Haven in the South Bronx is a classic example of environmental racism. The area is characterized by high pollution levels and a high concentration of minority residents.

SOUTH BRONX UNIT

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COMMUNITY ADVISORY GROUP

The South Bronx Unit has established a Community Advisory Group to help address environmental issues in the area. The group is composed of local residents and experts.

2018

Amazon Prime membership offering the two-day shipping with the contiguous United States on all eligible purchases for a flat annual fee of \$39.

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FRESHDELIVERY & AMAZON WAREHOUSES IN SOUTH BRONX

Community opposition in a borough already disproportionately affected by environmental racism. Some are concerned about the impact on the environment and the health of the community.

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AS E-COMMERCE CONTINUES TO GROW AND SPREAD ACROSS THE NEW YORK CITY REGION, MORE AND MORE COMPANIES ARE LEAVING THE BOROUGH FOR "SUBURBAN" DISTRIBUTION FACILITIES

As e-commerce continues to grow and spread across the New York City region, more and more companies are leaving the borough for "suburban" distribution facilities. This is due to the high cost of real estate and the need for larger facilities.

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COMMUNITY BOARD 6

Local civic groups like Community Board 6 have pushed the Department of Transportation to conduct a truck study, but it has been delayed for years. This is due to the high cost of real estate and the need for larger facilities.

COVID-19

Community concerns have changed because of COVID-19, revealed by the flight to online, shock to loyalty, hygiene transparency, essential value, and the homogeneity economy's rise. Online shopping has become a key part of many people's lives.

SEVERE ASTHMA

The online shopping boom each year is worth \$7.7 billion more than the total cost of carbon dioxide. This is due to the high concentration of trucks and the resulting air pollution.

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