

How Adverse Weather Disrupts Construction Projects: What you can do to beat the delays

Deltek
Marketplace Partner

45%

Of all worldwide construction projects are delayed due to adverse weather according to research

The cost of weather delays in construction is estimated to be billions of pounds in additional expenses and lost revenue each year

£bns

Adverse weather conditions affect 3 key factors in construction projects



Labour

Studies show that snowfall and even light rain can reduce labour productivity by as much as 40%. Temperatures can also dramatically impact worker efficiency, with a decline of up to 57% in productivity for every 1°C rise in temperature above 28°C.

Materials

Low temperatures, precipitation and high wind can create significant challenges for using building materials. Concrete pouring is limited to temperatures between 3°C and 32°C, and maximum wind speeds of 15.4 m/s. Cold weather can also cause a 3 to 5 hour delay in mortar mixing.



Equipment

Adverse weather can render construction equipment unsafe, or even impossible to use. High winds are a constant hazard for operating cranes, with 1125 tower crane accidents causing over 780 fatalities from 2000 to 2010. Muddy conditions and flooding can stop operations with heavy vehicles, depending on the type of vehicle in use.



Precipitation



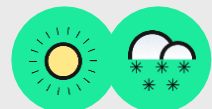
From heavy rain to snowfall, causing flooding, mud slides and other hazardous conditions.

High winds



Making the operation of equipment like cranes and moving materials dangerous.

Extreme temperatures



High and low temperatures both bring unique challenges to construction projects, from the safe storage of materials to worker safety.



How can you prevent the cost of weather delays?

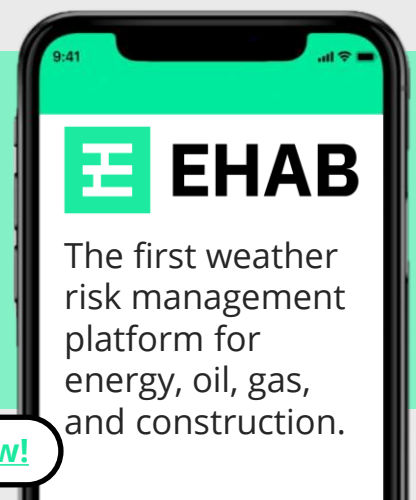
Studies show that global changes in climate are expected to consistently increase the frequency and intensity of weather conditions that cause construction delays.

We have already seen a 1450% increase in the likelihood of extreme delay since 1990.



Designed for construction companies wanting to take control of their weather risk.

EHAB helps you plan and deliver your projects more effectively in a changing world.



Weather is a problem for construction projects that is only set to get worse and more unpredictable.

Book EHAB now!