

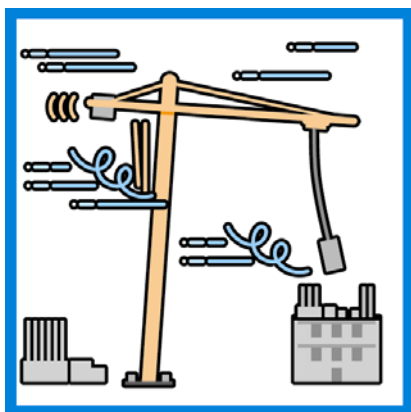


## Why an Anemometer ?

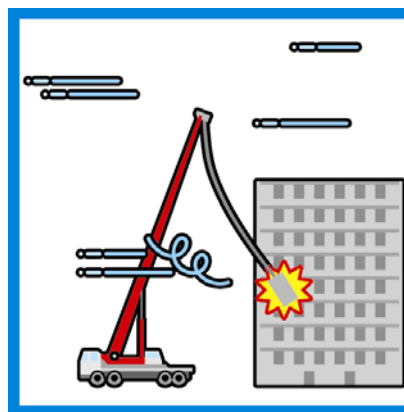
### On Construction or Industrial Sites

#### The Wind related Risks :

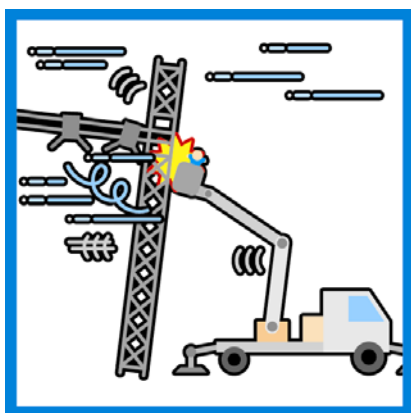
- Ignorance of the wind speed may delay the taking of decisions that can be vital and have grave consequences on the personnel, equipment and environment of a site.
- The load movements on a construction site (particularly when they are sizable) may become uncontrollable under strong wind conditions. Sometimes, the strength of the wind may overturn even the machines themselves.
- On the other hand, the speed of the wind being substantially different at the level of a crane cabin from the ground level, disagreements can occur between the crane driver and the ground personnel as to the need to halt operations.
- Local wind behaviour (like wind tunnel effects) also constitute an important source of risks and may surprise operators of mobile elevating work platforms or other lifting apparatus working between two or more buildings.



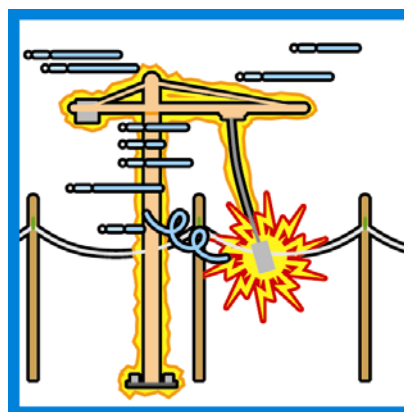
Tower crane and driver are destabilised by the wind



Mobile crane load is pushed by a gust against a neighbouring building



Elevating work platform operating on scaffolding overturned by the wind



Tower crane load is being pushed against power lines

#### The Solutions :

Wind speed meters constitute a preventive measure against risks associated with the strength of the wind. They measure its speed with precision and supply the site personnel with the necessary information to take the proper decisions. SMIE's wind speed product line provides for following functions :

- Wind speed **Measurement**,
- **Transmission** of the measured value, by cable or wireless, to the point of using the measurement,
- **Display** of the wind speed (in the crane cabin, the site office, a work platform, ...)
- **Sets off alarms** to warn all site personnel of worsening wind conditions before they become critical,
- **Repeater Displays** on various points of the site (crane cabin, crane base, site office, ...),
- **Timed and Dated Recordings** for instance, in order to justify objectively a delay or a work stoppage.

#### The Applications :

- Tower cranes (as per French recommendation CNAM, N° R373 from 1998)
- Mobiles cranes
- Elevating work platforms
- Mobiles work platforms (facade cleaning or painting, ...)
- Scaffolding, ...