The weather has an impact at every stage of a project lifecycle, from designing a building that will withstand changing climatic conditions, to scheduling work and hiring expensive equipment. It can have the biggest effect on delivering a project on time and on budget.

The Met Office has a comprehensive range of tailored products and services to allow you to manage the impacts of weather on your build.

Enjoy operational efficiencies with our range of tailored services for the construction industry

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INDUSTRY LEADING LOCATION BASED REPORTS

The latest additions to our construction portfolio are Location Based Reports, available as Location based monthly planning averages and Location based monthly downtime summaries. Both provide weather information, from over 3,600 locations, that accurately reflects onsite conditions.

These cutting edge reports are based on Met Office science and lead the way in the industry. To create them, we have combined the historic gridded database of Long Term Average values with the database of present observations used to drive the supercomputer forecasting models. The new system has been rigorously tested over a year to verify its robustness and we are confident in the strength of the new reports and the value they offer.

These new reports also include up to 16 weather parameters with wind as standard so they can be used for a variety of building contracts including NEC clause 60.1 (13).

The map shows the existing 100 weather observation stations used for our Station Based Reports and the 3,651 locations used for the Location Based Reports.

### Features

<table>
<thead>
<tr>
<th></th>
<th>Monthly Planning Average</th>
<th>Monthly Downtime Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greater representation of actual onsite weather conditions</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Over 3,600 locations available</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>100 weather observation stations</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>55 weather observation stations</td>
<td>✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Includes wind</td>
<td>✓</td>
<td>✓ ✓ ✓ ✓</td>
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<tr>
<td>Reports over 24 hours</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>16 different weather elements. 11 with LTAs and 1-in-10 year values</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Makes it immediately clear if compensation event reached</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Volume discounts available</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
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### Advantages

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<tr>
<th></th>
<th>Monthly Planning Average</th>
<th>Monthly Downtime Summary</th>
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<tbody>
<tr>
<td>Can be used across a variety of construction contracts</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
<tr>
<td>Suitable for NEC clause 60.1 (13)</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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</table>
**PROJECT PLANNING**

We provide project managers and construction teams with trusted information to inform scheduling, design refinements and budgets for projects.

**PROJECT DELIVERY**

Our range of forecast services and intelligent planning tools will help to ensure onsite resourcing is efficiently and cost-effectively planned and projects are delivered on time.

**POST PROJECT SOLUTIONS**

Our post project reports provide trusted and accurate information to aid resolution of contract disputes and compensation.

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**Planning average reports**

Looking over a 30 year period we can provide a clear picture of what seasonal norms you can expect at your site during a project. Our products are tailored for a number of different contracts. Available as:

- **Location based monthly planning averages**: Monthly report using weather data from over 3,600 locations.
- **Station based monthly planning averages**: Monthly report using weather data from 100 UK weather stations.

**Forecast services**

These services help you optimise scheduling of resources and weather dependent activities including identification of the optimum time to hire expensive equipment. They also help ensure the health and safety of staff onsite. We offer:

- **Towercrane forecast**: This site specific, threshold-based forecast service, provides you with mean and gust wind speed and direction, at specific heights for up to five days.
- **Warning service**: We provide warnings and alerts of incoming weather events according to your requirements. This onsite service is designed to keep you one step ahead of the weather, ensuring the health and safety of onsite teams.
- **Monthly Outlook**: This service provides you with weather information, on a tailored range of weather parameters, out to 30 days for up to ten regions across the UK.

**Intelligent planning tools**

Our intelligent planning tools help you efficiently plan operations, manage health and safety risks, and reduce costs.

- **VisualEyes™**: This fully flexible system allows you to choose the forecast and real time weather elements you want to view. In addition you can select the timeframes you want out to 14 days and set alert thresholds according to your risk profile.

**Free services**

- **Public Weather Service**: We provide a wide range of free forecasts and warnings to help you make informed decisions about your day to day activities.
- **National Severe Weather Warnings**: We issue warnings of severe or hazardous weather which has the potential to cause danger to life or widespread disruption.

**Bespoke climate services**

We can help you understand and mitigate the impacts of weather and climate on your project. This leads to more efficient management of resources and increased operational efficiency. We offer:

- Climate change mitigation and adaptation assessment
- Climate analysis
- Weather sensitivity analysis

**Monthly downtime summaries**

These reports allow you to match your downtime against the recorded weather for the months you request. We also provide Long Terms Averages (LTAs) and 1-in-10 year values, so you can identify weather conditions that fall outside of normal parameters. We offer:

- **Location based monthly downtime summaries**: Monthly report providing weather data from over 3,600 locations.
- **Station based monthly downtime summaries**: We provide monthly summaries from the nearest station to your build choosing from 100 UK weather stations.

**Bulk buy offers**: If you require a large number of reports each year for different stations, talk to us today about our downtime summary packages. Available for both Location based and Station based monthly downtime summaries.
To find out more, please email us at construction@metoffice.gov.uk
Or call on 0370 900 0100