

# How to embed components from surfvind.se

## Introduction

This document will show how to use the different components from <http://www.surfvind.se> on your own web site.

## Get started

The objects of interest are the wind speed meter, the wind direction compass and the graph representing the wind speed and direction over time.

### Embed the graph

The graph pictures are regenerated and stored every five minutes. They are stored under the respective imei number. So if “Habo” is the sensor of interest the location is:

<http://www.surfvind.se/Applet/12345/> and for Stockholm the location is:

<http://www.surfvind.se/Applet/354745031035159/> etc.

The graphs display different intervals between one hour up to one month. So if we want to show the graph representing one day for Habo the complete url would be:

[http://www.surfvind.se/Applet/12345/graph\\_2.png](http://www.surfvind.se/Applet/12345/graph_2.png) and the url for one hour would be

[http://www.surfvind.se/Applet/12345/graph\\_0.png](http://www.surfvind.se/Applet/12345/graph_0.png)

See Appendix A for a complete list of the intervals and names.

### Embed the compass and speed meter

The compass and speed meter are built using two images. One background image and one arrow image. To embed these you need to draw the arrow on top of the compass or speed meter image.



Image 1.1: Compass image and arrow image drawn on top of each other to form the complete image

The background compass can be found under: [http://www.surfvind.se/Images/ws\\_compass.png](http://www.surfvind.se/Images/ws_compass.png) and the speed meter can be found under: [http://www.surfvind.se/Images/ws\\_speed.png](http://www.surfvind.se/Images/ws_speed.png).

The arrow that is to be drawn on top of the background are dependent of the sensor of interest and is named different for each sensor. The compass arrow for “Habo” is for example named **12345\_img\_compass.png** and the compass arrow for Stockholm is named **354745031035159\_img\_compass.png**. The speed arrow follow the same principal and is named **12345\_img\_speed.png** for Habo and **354745031035159\_img\_speed.png** for Stockholm etc.

All these images are found under: <http://www.surfvind.se/Images/>

## Example html

In this example the Habo sensor is used.

```
<html>
<body>

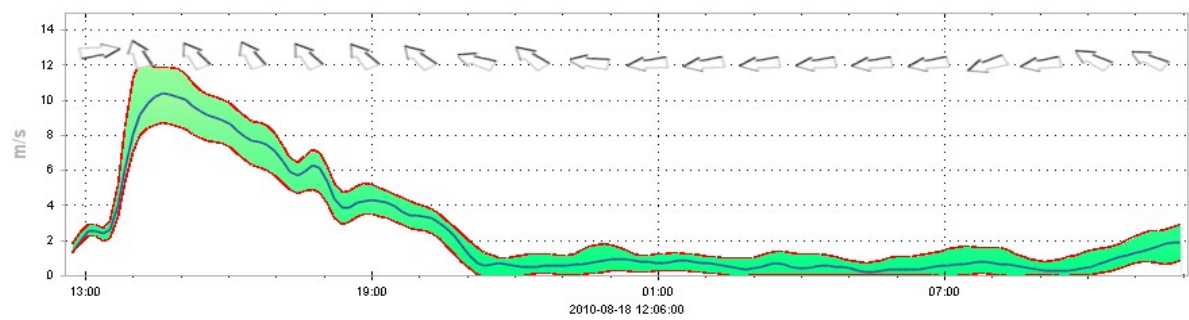
<!-- Add compass -->
<div style="position: absolute; left: 230px; top: 10px; z-index: 1;">
  
</div>

<!-- Add speed meter -->
<div style="position: absolute; left: 230px; top: 10px; z-index: 1;">
  
</div>

<!-- Add graph -->
<div style="position: absolute; left: 30px; top: 250px; z-index: 1;">
  
</div>

</body>
</html>
```

Result:



## **Appendix A**

### **Intervals and names:**

One hour: graph\_0.png

Five hours: graph\_1.png

One day: graph\_2.png

One week: graph\_3.png

One Month: graph\_4.png

### **List of sensors:**

Habo: 12345

Lund: 354745030513008

Stockholm: 354745031035159