

OMC-141 ATIS System

The OMC-141 Automatic Terminal Information Service, or ATIS, is a continuous broadcast of recorded *noncontrol* Weather information for unmanned Offshore or Wind Energy platforms.

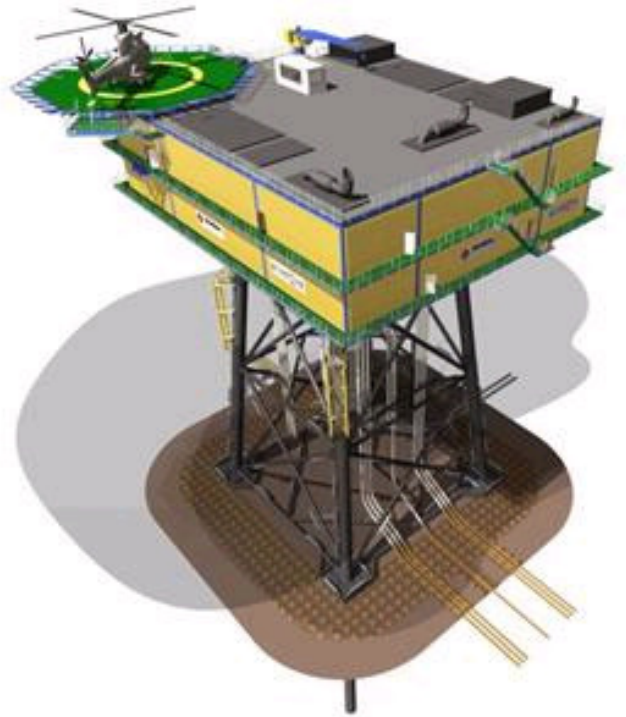
The System broadcasts essential Weather information like, Wind information, Air Temperature, Humidity, Barometric Pressure QFH and QNH, Visibility, Present Weather and any other information required by the pilots.

Helicopter pilots usually listen to an available ATIS broadcast before the final approach, in order have a safe landing on the Platform.

The Heli Pilot can, by using the VHF radio, request the actual Weather information (by automatic voice message) from the unmanned Station. The System also has the possibility to control the Helideck Lights from the Helicopter by using a standard VHF Radio.

Features:

- Ideal System for unmanned Stations
- Easy to operate
- Conform ICAO and WMO
- Reasonable pricing
- Works in conjunction with OMC-Data-online Software and an Observator Weather System



19" Cabinet for weather system



OIC-2020 with OMC-141

GENERAL

The voice functionality in the Observator System follows the usual ATIS practice; however this practice is not described in standards and varies from country to country. The client should specify specific requirements.

The voice message is transmitted in English language. The message is transmitted once. The message starts in about one second after the rf carrier starts. The message starts with station identification.

The message generally follows the METAR information in accordance with ICAO; Refer to WMO, No 306, manual on Codes, Suppl. No.5 (VIII, 2005) FM 15-XIII METAR, free available on internet: http://www.wmo.int/pages/prog/www/WMOCodes/Manual/WMO306_Vol-I-1-PartA.pdf page I.1-A-25

Message composition: (Example Message)

*This is XXXXX Platform
Automated weather observation
One two three four Zulu (time)
Wind zero eight zero degrees, zero niner knots
Visibility four kilometres
Weather moderate rain
Clouds few one thousand five hundred feet
Temperature three
Dew point minus three
Q N H one zero two six hectopascal*

Remarks: 1234Z is the UTC time (12:34); 9 is pronounced as niner, compliant to aeronautical practice; Temperature is given in degrees Celsius or Fahrenheit.



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The OMC-141 will be placed close and connected to the PC or OIC-2020 with an USB- and audio cable. The OMC-141 box contains also a VHF radio (MIC & Squelch), and has relay outputs to the Helideck Lighting system of the customer.

Recognition of the keying sequences (3x, 4x, 5x and 7x) is done by the OMC-141. The length of the "key-pressed" and "key-released" periods should be between 0.2 and 2 seconds.

On the platform must be a LAN network and internet available to receive remote NOTAM-messages from the mainland. A NOTAM-message is text with important information such as obstacles, maintenance or closing of the helideck, etc. This message will be send directly after the Meteo information.

A telephone modem connection is not necessary for this system.

The OMC-141 will be delivered in a drawer for a 19" rack.

The system operates in conjunction with OMC-Data-Online software and a Observator Weather System as per below sketch.

