

Artemis Transat 2008 – Case Study

The Artemis Transat is a 2,800 mile race across the North Atlantic alone... Held every four years since 1960, the 2008 edition of the race started from Plymouth, UK on Sunday, 11th May.

BT, as official communications supplier to the race, provided integral communications and IT support. This includes providing Sutton Harbour with Wi-Fi via BT Openzone to the race fleet, when in port, visiting guests and international media.

eSOURCE were approached early April with a brief to provide the Wi-Fi infrastructure required to support the event which included:

- Upgrade of the existing Wi-Fi at the Sutton Harbour Marina to provide full wireless coverage including adjacent marinas



Specific requirement for the Artemis Transat Race required wireless coverage at the following locations:

- Race Hub Marquee; provide Wi-Fi coverage for the Media Centre and VIP zone.
 - A high bandwidth requirement area which due to time constraints was serviced by 6 ADSL lines, terminated on 6 Cisco 877 routers and to each 3 x Cisco LWAP 1242 access points were connected. This allowed for a high density of wireless access points offering high resilience and roaming.
- Boat Zone Wi-Fi to the pontoons for race boats and supporting teams
 - Local PSTN lines were not available and a wireless bridge was established to the Sutton Harbour Marina office using an 802.11a backbone. A dual radio HP ProCurve MSM 320-R Access Point provided the bridge link and local hotspot.



- **Race Management Zone Building**

- This was established within the Mayflower building, there was no availability of free PSTN lines for ADSL activation and due to timescales a wireless bridge was established to the Sutton Harbour Marina using an 802.11a backbone. This provided connectivity to data switches and Wi-Fi within the building. A dual radio HP ProCurve MSM 320-R Access Point provided the bridge link and local hotspot. A 2nd single radio HP ProCurve MSM 310-R Access Point provided the onward wireless bridge link to the Technical Zone detailed below.



- **Education Zone Marquee**

- Wi-Fi was provided by the HP ProCurve MSM 320-R Access Point fitted externally to the Mayflower Building detailed above.

- **Technical Zone**

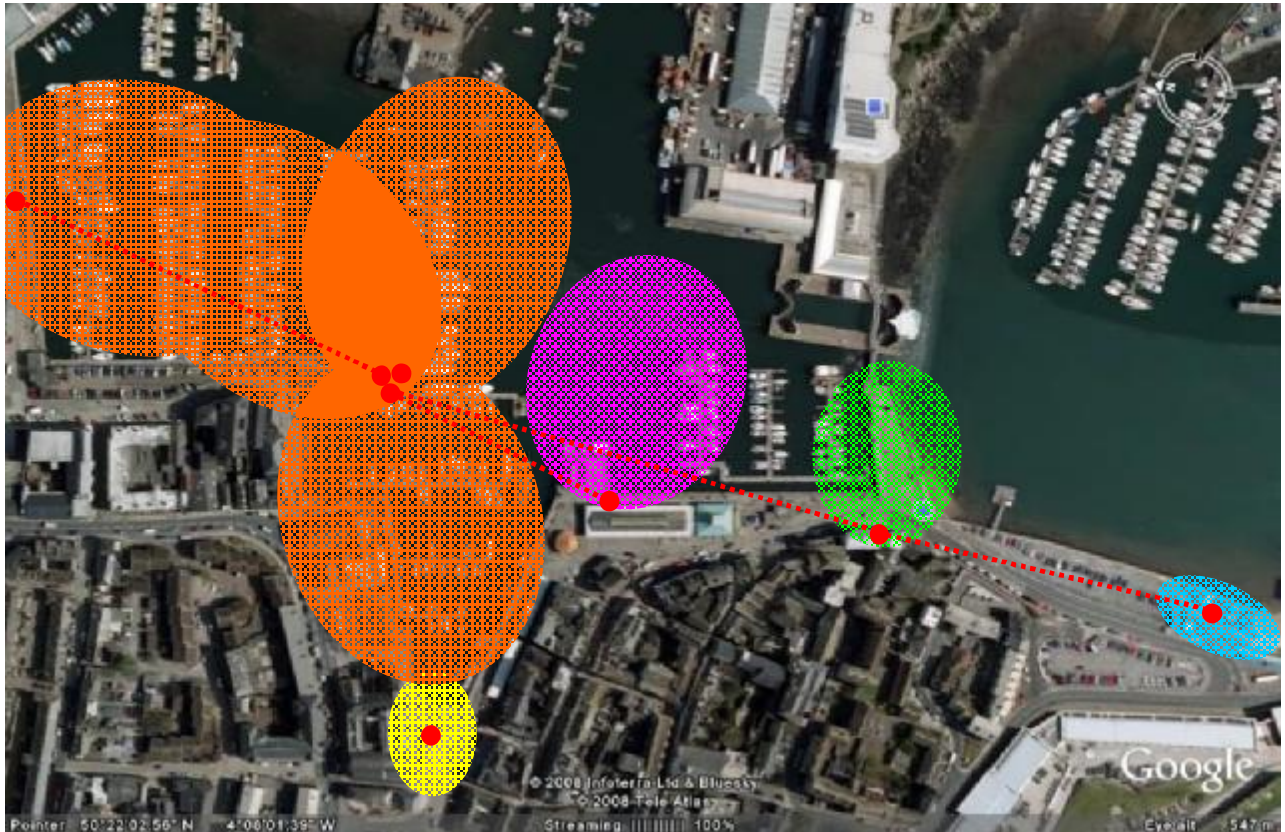
- This location was a remote car park with no PSTN services. Line of site to the Sutton Harbour marina could not be established. The Mayflower location was used as a relay point to connect back to the marina. A dual radio HP ProCurve MSM 320-R Access Point provided the wireless bridge link and the local hotspot.



From original site surveys to race commencement on 11th May the following was achieved by eSOURCE

- Wireless Network Design
- Assisting in sizing the ADSL backhaul requirement
- Procuring equipment
- Arranging with the Race Management team permissions for the temporary placement of street poles for Access Point placement
- Installation and testing of the solution
- Decommission the installed equipment after the event

Artemis Transat 2008 Wi-Fi Coverage Map



Key

- Access Point(s)
- ⋯ Wireless Bridge Link
- Sutton Harbour BT Openzone Wireless Coverage
- Race Hub Marquee BT Openzone Wireless Coverage
- Boat Zone BT Openzone Wireless Coverage
- Race Management and Education Zone BT Openzone Wireless Coverage
- Technical Zone BT Openzone Wireless Coverage

The success of the event was reflected in the fact that there were no complaints regarding level of service or support of any description and Chris Bruce of BT Openzone had received very good feedback from the event organisers.

Over the course of the event 413 users subscribed and logged 159,376 minutes with 100% availability across the whole network! Most of this utilisation occurred after the teams had left Plymouth with journalists uploading pictures, videos and articles to their press offices.





About eSOURCE

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eSOURCE are justifiably proud that many house hold names are customers that rely on us, from High Street Banks to Hi Tec and Service Providers

eSOURCE outstanding customer support is provided by highly experienced engineers nationwide, who are always willing to go the extra mile to get the job done right first time every time, this is why we are proud to brand ourselves as “Big enough to count and Small enough to care”

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