

Built for Speed: cnPilot™ Wi-Fi at the Formula 1® Brazilian Grand Prix

“The Wi-Fi network that was implemented with Cambium Networks’ cnPilot™ solution contributed to the smooth operation of the cashless payment system used during the Grand Prix, ensuring that transactions were performed with agility”

- INTERPUB LTD.



PTP 450i

- Up to 300 Mbps in a 40 MHz channel
- 4.9-5.925 GHz



cnPilot e410

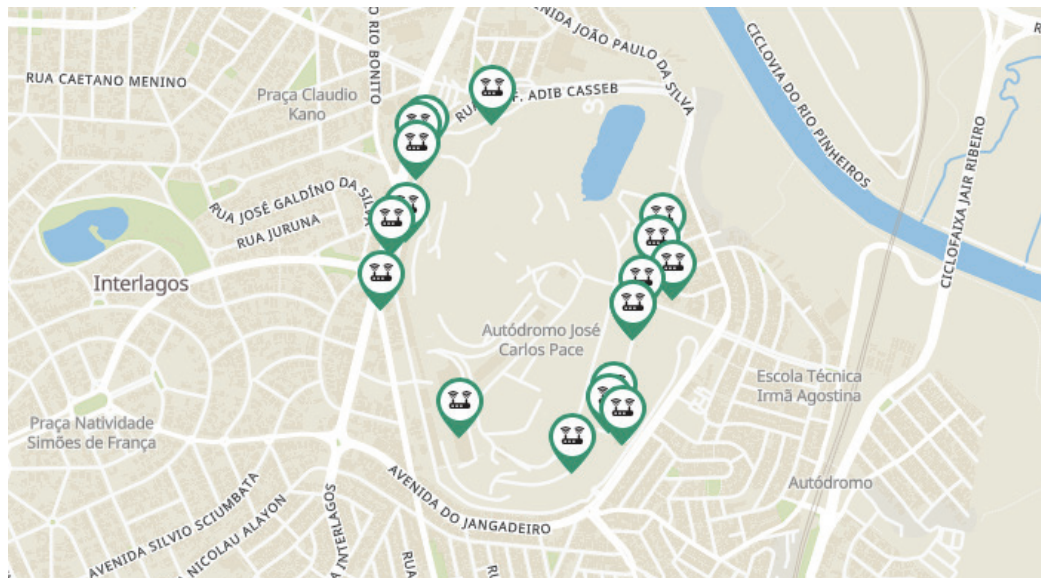
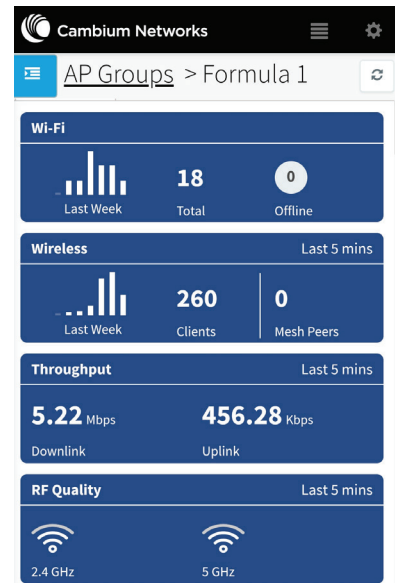
- 802.11ac Wave 2
- 2.4 GHz
- 2x2 MIMO

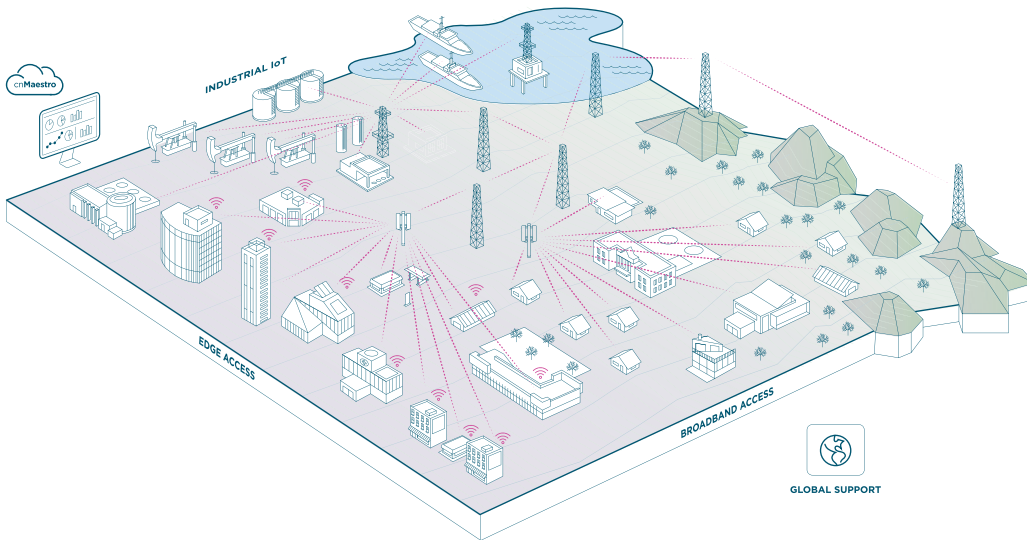
Overview

WITH A 45-YEAR LEGACY, THE FORMULA 1

Brazilian Grand Prix is the biggest annual sporting event in Latin America and is also considered a reference for the world’s greatest automotive category. To prepare for the 2018 Brazilian Grand Prix in São Paulo, Interpub Ltd. engaged Cambium Networks for a repeat performance after the success of the cnPilot™ Wi-Fi coverage first deployed in 2017 to support concessions sales for the 3-day event, held at Interlagos Circuit, with an added grandstand expanding spectator capacity, thus user density and also coverage area.

Food and beverage purchases during the Grand Prix were performed exclusively via dedicated cashless debit cards. Attendees could top-up cards’ balance in advance – the purpose of which was to promote agility in transactions and security on premises. The intense flow of people during the 3 days of the event required a customized, high performance Wi-Fi infrastructure to support consistent and stable transactions across a total of 190 devices (card top-up machines), independently from the mobile networks.





Why Interpub Chose Cambium Networks

- PTP 450i includes an aux port that powers subsidiary devices such as CCTV cameras, streamlining deployment with consolidated power requirements and minimal cabling.
- cnMaestro empowers network operators to manage their networks with full end-to-end visibility from a single pane of glass

The Challenge

AS WITH THE FIRST CAMBIUM NETWORKS DEPLOYMENT IN 2017, the entire network would be temporary, since the Wi-Fi infrastructure was built exclusively for the event. A solution with flexible installation and quick activation was again the critical factor to ensure network activation within the schedule.

The Solution

CAMBIUM NETWORKS CNPILOT e410 indoor and e500 outdoor access points were deployed to provide Wi-Fi coverage to all cashiers in grandstands at the Interlagos Circuit, with a PTP 450i ultra wide-band backhaul radio to support video surveillance for the two premium tier access areas of the racetrack.



The complete solution was managed by cnMaestro™ Network Controller, which enabled the communications team to remotely monitor all equipment and network traffic in real time, with the capability to group APs and apply customized configurations to all devices simultaneously.