



**Formula One remote operations centre**

From here they can monitor the video sources and output, many of the formula1.com functions, and even operate robotic track camera heads.



**The Singapore Grand Prix**

The inaugural night race and first street circuit in Asia for F1 races, the Singapore GP was the 14th round of the 2017 Formula One season and the 10th time the race had been held at Marina Bay.

**FAST CONNECTIVITY PROVIDER**

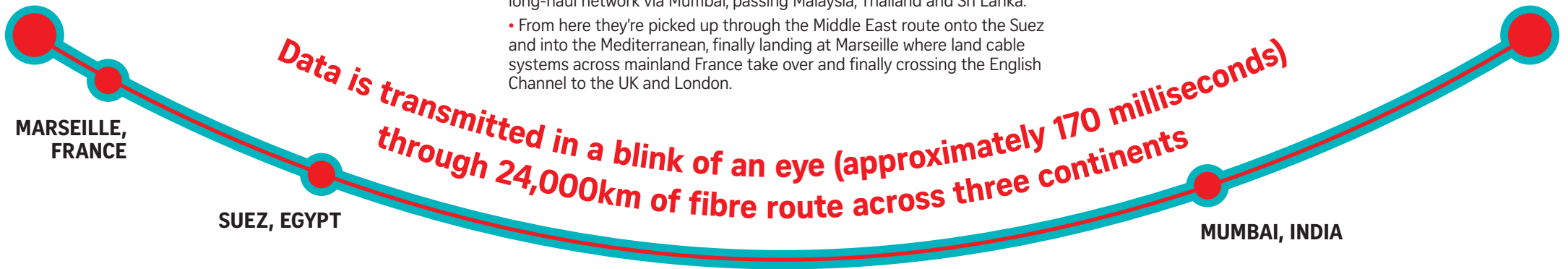
- Tata Communications is the official connectivity provider of Formula 1, enabling the sport to seamlessly reach its tens of millions of fans across the globe. The company first partnered F1 in 2012.
- Owns 24 per cent of the world's Internet routes.
- Has the world's largest wholly owned sub-sea fibre network which stretches more than 500,000km.
- All in all, the company has 710,000km of terrestrial and sub-sea fibre (more than 17 times around the world's equator).
- 7,600 petabytes of Internet traffic travels over the company's Internet backbone each month.
- The network carries 53 billion minutes of international voice traffic annually.

**CONNECTING F1**

- Data will travel from the company's cable node in Singapore, riding its long-haul network via Mumbai, passing Malaysia, Thailand and Sri Lanka.
- From here they're picked up through the Middle East route onto the Suez and into the Mediterranean, finally landing at Marseille where land cable systems across mainland France take over and finally crossing the English Channel to the UK and London.

**LONDON, UK**

**SINGAPORE**



The F1 Communications Technical Centre houses the Formula 1 broadcast, timing, data and telemetry operations. It is also the home for Tata Communications' fully integrated Network Operating Centre whose crew (inset) operates the mission critical connectivity ensuring millions of fans don't miss a beat of the action.

The official website, F1.com, can manage

**5m** simultaneous page views

without a glitch, keeping fans connected

Formula One's content delivery network reaches over

**50m** unique users per year

F1 broadcasts live video feeds to over **240** countries and territories

In 2016 alone, there were **3.7m** hours of F1 video viewed on F1.com

Approximately **300 hours** of effort go into ensuring a glitch-free setup two weeks before Thursday of the race week

Over **156,000 miles (251,000km)** travelled by team of fully integrated on-site specialists

The most technically advanced sporting event, F1 has **over half a billion** people watching every season

Tata Communications hosts the official website, F1.com, which attracts up to **7m users** on a race weekend

There are over **120 sensors** on an F1 car, recording over **500 parameters** that are transmitted live via telemetry to the pits and to Mercedes' factory in the UK

It took just **3 days** to install, test and de-rig the network at Marina Bay, and it will take only **3 hours** to dismantle right after the event

