

April 2022

What does Formula 1 do for you?

It's one of the biggest sporting spectacles of the year; a season made up of 22 races, held in 20 countries over 10 months with the winner taking one of sports most valuable prizes.

As well as all the razzamatazz it is a sport dominated by technology. Huge teams of engineers and mechanics work behind the scenes to ensure every car in as close to perfect as possible.



Pixabay

As with any cutting edge technology some of the advances developed in Formula 1 have made a real impact in the wider world.

From enhancing freezer technology in supermarkets to speeding up wireless data transfer, from improving engine efficiency to developing lighter, stronger materials Formula 1 impacts on all out lives every day.


Wikipedia Commons

CPAP devices are smaller and less invasive than normal ventilators.

At the start of the COVID pandemic in 2020 there was a huge shortage of ventilators in hospitals to help patients breathe. Engineers at the Mercedes F1 team worked with scientists at University College London to reverse engineer a Continuous Positive Airway Pressure (CPAP) device.

Within 30 days they had tested the device, got medical approval and produced 10,000 of them for hospitals across the UK.

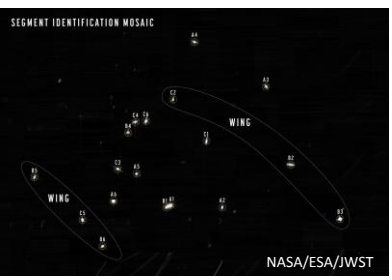
[Formula 1 Benefits]

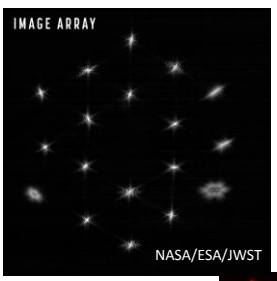
[Technological advancements]

[What does F1 do for society?]

[The CPAP Story]

Webb Watch









Alignment of the JWST mirrors has continued and the most recent image is a stunning, sharply focused star showing all 18 mirror segments working together.

Just as excitingly the background of the image gives a glimpse of what JWST will be capable of as it shows a number of distant galaxies very clearly.

Cooling has also continued and the MIRI instrument has finally reached its -266°C operating temperature.



[Where is Webb] [JWST NASA Blog]

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