

Passionate but Flexible



Mike Gleaves
CEO, Arralis

The First Useful Radar

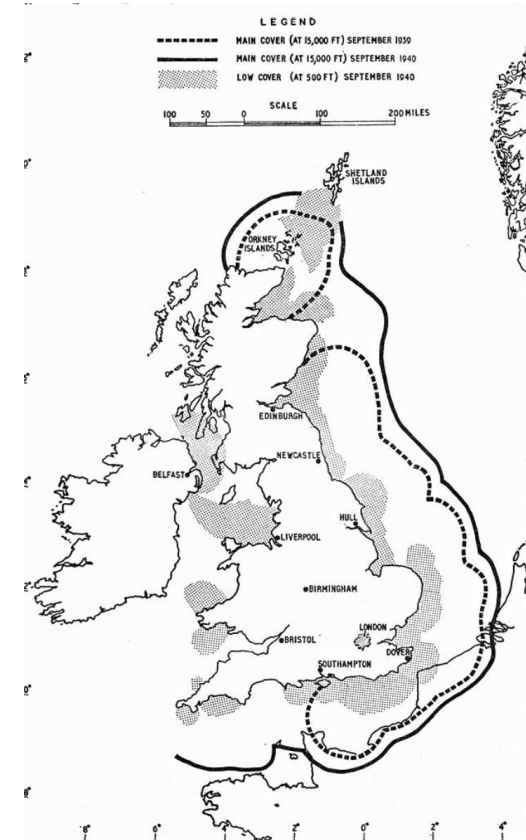


Responded to a War Office call in the 1930s

Successfully demonstrated that aircraft could be detected with radio waves

Rolled-out in 1940 and fully operational by 1941

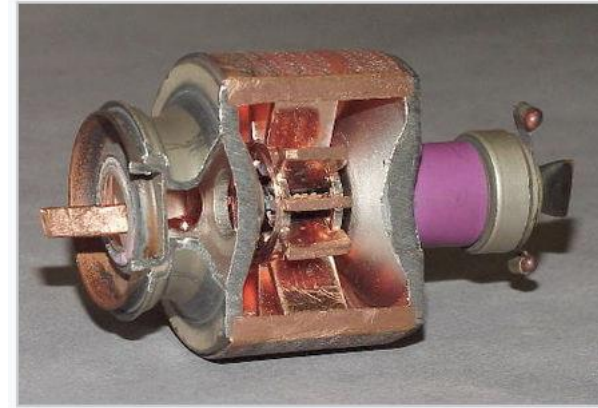
Effectively stopped the 'blitz' of German bombers



Magnetron Breakthrough



- Radars were very large and unsuitable for aircraft
- John Randall and Harry Boot of Birmingham University developed 3cm wavelength magnetron with 10kW output
- It mean small antennas and small radars that could be used on aircraft
- Sir Henry Tizard transferred it to the USA during WW2



P720 Radar

The result of several prototypes that enable night flying and under poor visibility conditions



Fitted to the US Navy's P61 and P70 Aircraft, effectively ended the Japanese 'Zero' threat in the Pacific



Arralis Today



We do not sell very many radar systems!

However, with space and satellite we have sold the same technology very successfully

We focus on millimetre wave radar – high definition – close range – extremely small and light

Lessons



Having a great idea or a product is not enough

Funding aside, it needs a market

Be prepared to change the product even though it may not be your 'passion'

Make sure that this 'unique' technology can be manufactured