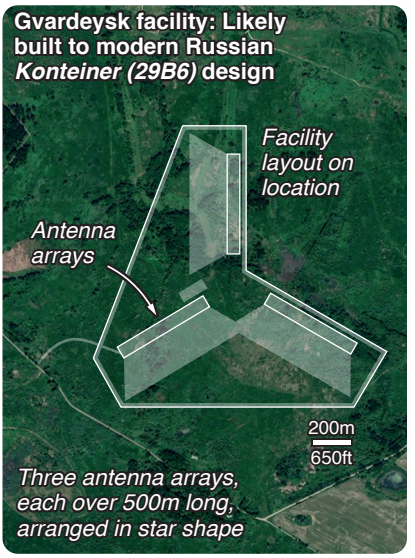
Russia builds giant radar near NATO border

Russia is building a huge radar station in its Kaliningrad exclave, on NATO's eastern flank, that can track missiles, warships and aircraft at more than 3,000km, covering most of Europe



Gvardeysk: Suspected over-the-horizon (OTH) radar complex, 37km from Polish border

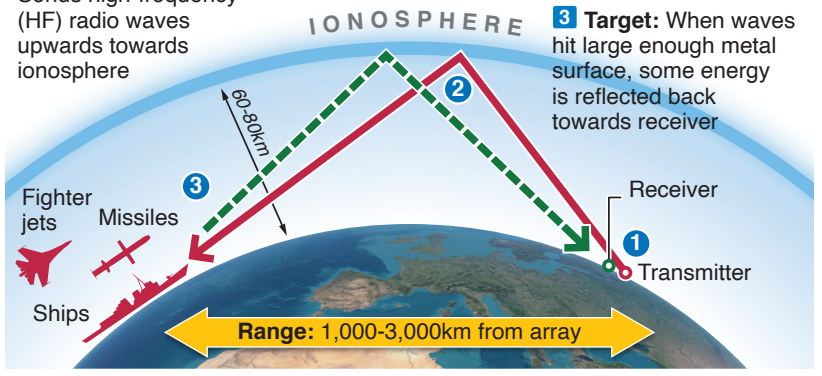


HOW DOES OTH RADAR WORK?

1 Transmitter station: Sends high-frequency (HF) radio waves upwards towards ionosphere

2 Ionosphere: Refracts waves back to Earth, bypassing curvature of Earth

3 Target: When waves hit large enough metal surface, some energy is reflected back towards receiver



Sources: Frankfurter Allgemeine, U.S. Space Force Pictures Google Earth, Earth 3D © GRAPHIC NEWS