



Components necessary to build a SuperDARN radar

MAIN ANTENNA ARRAY

16 Antennas

10 m above ground, 15 m spacing

250 m Reflector

RADAR HUT

16 Transmitters

20 Receivers

Control system

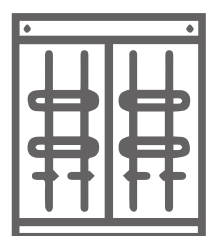
INTERFEROMETER ANTENNA ARRAY

4 Antennas

10 m above ground, 15 m spacing

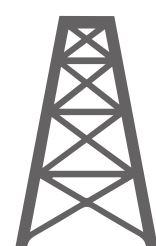
60 m Reflector

TO BUILD THE RADAR, YOU NEED:



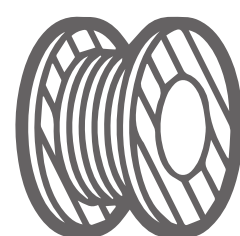
20 ft

SEA CONTAINER



600 m

ANTENNA TOWER



3.4 km

COAXIAL CABLE



8.5 km

ROPE



7.1 km

ANTENNA WIRE

DID YOU KNOW?

SuperDARN Canada designed and built the new Norwegian SuperDARN antenna system and are currently helping UK partners with new radar in France.



Visit superdarn.ca for more information.

