

# Radar – Support sheet 1

## Project Manager

**You should take part in all stages of the design and build.**

You are responsible for:

- » Making sure everyone does their job
- » Making sure the group completes the task on time

## Resource Manager

**You should take part in all stages of the design and build.**

You are responsible for:

- » Keeping a record of the amount your team spends on materials
- » Making sure the build is on budget

## Design Engineer

**You should take part in all stages of the design and build.**

You are responsible for:

- » Researching design ideas
- » Keeping a record of the design ideas, either by drawing or using computer aided design (CAD)

## Production Engineer

**You should take part in all stages of the design and build.**

You are responsible for:

- » Making sure everyone has a role in the building stage
- » Making sure the radar tower is built correctly based on your team's idea

## Materials

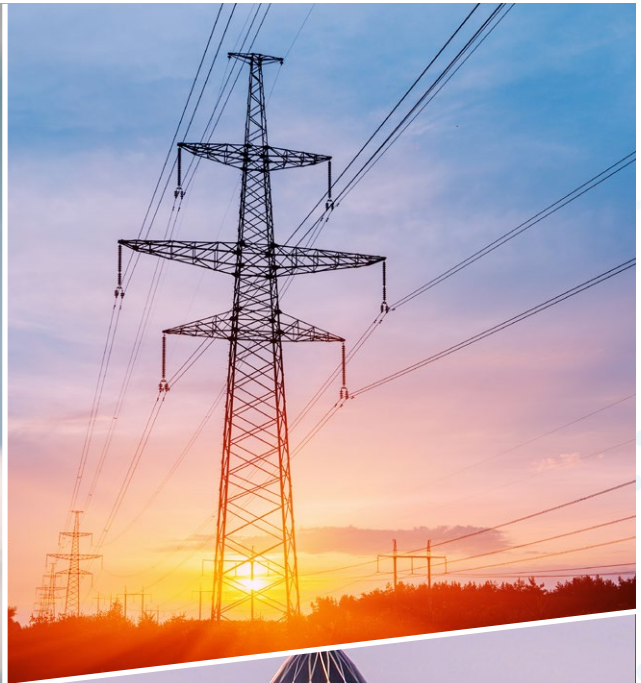
## Budget

**Total cost of radar tower £ .....**

Amount above or below budget: £ .....

# Radar – Support sheet 3

- » What do these tall structures have in common?
- » What shape should the base be to make the tower stable?
- » How will the tower hold the weight of the radar? Will it be at the top of the tower or on a ledge?
- » How will you reinforce the joints?



# Radar – Support sheet 4

