

Pseudo-Code for external system (Charging Station)

Start

Charging station active ()

Print ("Power station activated")

Drone request ()

Print ("Request is waiting ")

If Charging station is free

Print ("Charging station is free ")

Allocate station ()

Slot request ()

If Slot is available

Print (" Slot is available ")

Allocate slot ()

Start charging ()

If charging is done

Charging done ()

Print (" Charging Completed.")

Else

Wait till charging is done ()

Else

Wait for a slot ()

Else

Wait till charging station is free ()