

APPLICATION GUIDE

Digital Electricity™ Application Note 4G & 5G Rooftop Macro

The Scenario

Planning new sites on rooftops can involve structural loading calculations and could restrict the availability of suitable locations. Upgrades of existing tower and rooftop sites by adding more and more equipment due to new operators or technology/frequency additions. Existing sites are the most suitable due to an existing backhaul connection.

The Challenge

Structural loading calculations require specialist 3rd parties to produce the calculations and then require approval from the building owner that can delay the deployment. Additional power surveys will be required to meet the new site demand and negotiating with the existing supplier may also delay the deployment. There may not be sufficient capacity local to the equipment resulting in a new infrastructure being deployed.



