

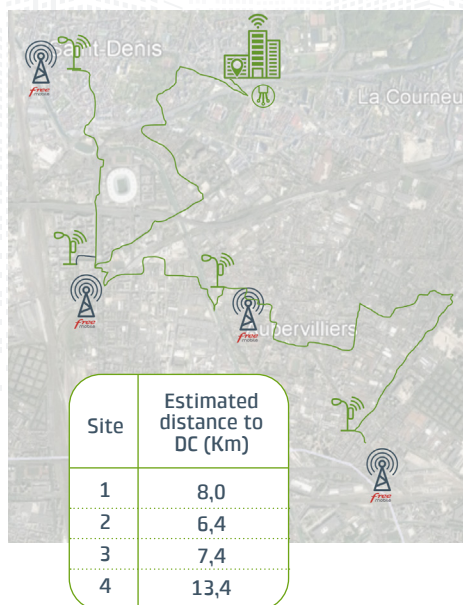


## Dense Areas Outdoor Small Cells

### Proof of Concept in Saint-Denis

Saint-Denis and Aubervilliers, in northern Paris, is one of the **most populated** quarters in Europe.

**Working together** with city councils to define the deployment in urban infrastructures.



Proof of Concept relying on Nexloop fibre connectivity and edge computing capabilities in France to deploy Small Cells in the very densely populated area of Saint-Denis and Aubervilliers in northern Paris.

Cellnex provides a centralized topology and delivering to the core of Free. The traffic of the different Small Cells is concentrated in a unique PoP.

**In addition, Open RAN technology is being tested, which enables better scalability of the system.**



Urban Infra (new poles and existing lampposts)



Open RAN Small Cells in C-RAN topology (Open RAN)



Fiber optics (dark fiber)



Data Center + Core connection

### Cellnex expertise

Deployment of Small Cells  
considering all phases  
and key factors

#### PERMITS

Obtaining approvals from authorities



#### SITE

Finding a location to deploy the equipment



#### INSTALLATION

Installing backhaul and power



#### TIME-TO-MARKET

Reducing the time to obtain the permitting and carry out the works



#### COST

Of the whole process (landlord fee, deployment, O&M)

