

City strategies for a 5G small cell network on light poles

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City strategies	City involvement	Connectivity market	Data market	Outcome
1. On the shoulders of MNOs	Low	Small cells are deployed and operated by an MNO-driven joint venture	The city minimally integrates existing DBs and opens some data sets.	Slow small cell deployment Limited data availability and services
2. Data first	Medium		The city encourages investment in infrastructure for aggregation, usage, and sharing of multi-stakeholder data.	Slow small cell deployment Improved data availability and applications
3. All-out	High	Utilities under city influence stimulate small cell deployment. Network operation by a city-driven joint venture	Infra mgmt. and data commercialization by a joint venture under city oversight.	Improved connectivity features and capacity Rich data availability and applications, including sensors collocated with small cells