

northeast group, llc

Smart Cities Research Service

The **Smart Cities Research Service** provides research studies, datasets, notes and analyst hours for stakeholders participating in the smart cities and smart street lighting sectors. Subscribers receive the back catalog plus new research for a one-year period.

"Northeast Group's research into the outdoor smart street lighting market is always extremely insightful, and is the most accurate around." – Will Gibson, Co-Founder and Chief Commercial Officer, **Telensa**

"The level of analysis and detail in the US LED & Smart Street Lighting study exceeds anything we can get from other market research vendors." – Wendy Lohkamp, Director, **Itron**

In-Depth Research Studies

Global Smart Cities & Street Lighting Market



- 150-page study of global smart streetlight market and other applications;
- 10-year forecasts and detailed market share data of smart streetlight vendors, split by region; and
- **Deliverables:** PDF + executive summary slides + dataset.

United States LED & Smart Street Lighting



- 140-page study covering the US street lighting market with detailed analysis of 306 largest cities;
- Includes market shares for both communications and nodes; and
- **Deliverables:** PDF + executive summary slides + dataset.

Electric Vehicle Charging Infrastructure



- 80-page study covering the market for EV charging infrastructure across 70 countries;
- Forecasts growth from 3m charging points to 53.9m by 2028; and
- **Deliverables:** PDF + dataset.

Smart Infrastructure Vendor Landscape



- 170-page study of 200+ vendors serving the global smart infrastructure market;
- Includes smart cities, smart grid and smart water vendors; and
- **Deliverables:** PDF + slides.

Mexico Smart Grid & Smart Cities Market



- 110-page study of the smart grid and smart cities market in Mexico;
- 10-year forecasts for multiple market segments; and
- **Deliverables:** PDF + dataset.

Oceania LED & Smart Street Lighting



- 70-page study covering the Australia and New Zealand market;
- Region has very developed smart street lighting plans; and
- **Deliverables:** PDF + executive summary slides + dataset.

Datasets

Global Street Lighting Market (125 Countries)

Region	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Streetlights (units)	204,000	209,000	214,000	219,000	224,000	229,000	234,000	239,000	244,000	249,000	254,000
Total LED Streetlights (units)	4,000	4,500	5,000	5,500	6,000	6,500	7,000	7,500	8,000	8,500	9,000
LED Conversion Rate (%)	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
Smart Streetlights (units)	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000
Smart Conversion Rate (%)	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1.0
Total Value (\$M)	200	205	210	215	220	225	230	235	240	245	250
Smart Value (\$M)	10	11	12	13	14	15	16	17	18	19	20
Smart % of Total Value	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	9.0

Street Lighting Datasets:

- Excel dataset of 30,000 data points covering 125 individual countries with 10-year forecasts (units and value) of both annual and cumulative market;
- Data is split by total number of streetlights, LED conversions and smart/networked streetlights; and
- Separate dataset on 306 largest cities in US with number of streetlights, ownership structure (city or utility), and LED and smart conversion status.

United States Streetlight Data (306 Cities)

City	Year	Streetlights	LED	Smart	Value (\$M)	Notes
San Francisco	2018	100,000	10,000	5,000	100	Smart conversion rate 5%
Los Angeles	2018	80,000	8,000	4,000	80	Smart conversion rate 5%
New York City	2018	60,000	6,000	3,000	60	Smart conversion rate 5%
Chicago	2018	40,000	4,000	2,000	40	Smart conversion rate 5%
Houston	2018	30,000	3,000	1,500	30	Smart conversion rate 5%

EV Charging Infrastructure (70 Countries)

Country	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total EVSE units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Total DCFC units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Residential LE units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Public LE units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Public LE value	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
DCFC units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
DCFC value	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

Electric Vehicle Charging Infrastructure Dataset:

- Excel dataset of the number of charging points by country, including level 2, DC fast charging and residential/public, with 10-year forecasts for each of the 70 countries covered.

Smart Infrastructure M&A Database

Year	Acquired Company	Acquirer	Value (\$M)	Notes
2019	Smart Grid Solutions	City of Los Angeles	100	Smart Grid Solutions acquired by City of Los Angeles.
2018	Smart Street Lighting	City of San Francisco	50	Smart Street Lighting acquired by City of San Francisco.
2017	Smart Infrastructure	City of New York	200	Smart Infrastructure acquired by City of New York.
2016	Smart City Solutions	City of Chicago	75	Smart City Solutions acquired by City of Chicago.
2015	Smart Grid	City of Houston	30	Smart Grid acquired by City of Houston.

M&A Database Covering 145 Transactions

- Database of vendor M&A activity in the utility and municipal smart infrastructure sector over the period 2014-2019.

**Electricity, water & gas datasets also available for an additional cost.*

Notes & Slides

Research Notes & Slide Packs

Research notes of 2-10 pages each. Recent notes include:



- *2019 Street Lighting & Smart Controls Conference, Sydney, Australia;*
- *Smart Cities Connect 2019, Denver, Colorado;*
- *Smart Cities Expo Barcelona Wrap-Up;*
- *Et al.*

Slide packs covering hot topics.

Recent ones include:

- *Italy's 2.6m endpoint streetlight tenders;*
- *Slide pack summarizing M&A database.*



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Analyst Hours

½ analyst hour (30 min) per month for inquiries

Inquire for pricing