

northeast group, llc

Smart Cities Research Service

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

In-Depth Research Studies

Global Smart Cities & Street Lighting Market



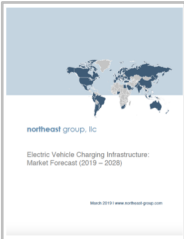
- 150-page study of global smart streetlight market and other applications;
- 10-year forecasts and detailed market share data of smart streetlight vendors, split by region; and
- **Deliverables:** PDF + executive summary slides + dataset.

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)

Cumulative smart and LED streetlight units and value by country		northeast group, llc										
Region	Country	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Africa	Angola	294,483	299,322	303,994	308,726	313,458	318,190	322,922	327,654	332,386	337,118	341,850
	Total LED Streetlights (units)	6,514	6,793	7,072	7,351	7,630	7,909	8,188	8,467	8,746	9,025	9,304
	Total LED Streetlights value (\$M)	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3
	Colorhead/Onboard units	5,895	5,987	6,079	6,171	6,263	6,355	6,447	6,539	6,631	6,723	6,815
	Colorhead/Onboard value (\$M)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Onboard units	62	106	193	380	567	754	941	1,128	1,315	1,502	1,689
	Onboard value (\$M)	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
	High wattage (100 W) units	202	302	402	502	602	702	802	902	1,002	1,102	1,202
	High wattage (100 W) value (\$M)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	Smart/networking units (units)	222	322	422	522	622	722	822	922	1,022	1,122	1,222
	Smart/networking value (\$M)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

306 United States Cities' Street Light Data

City	Population	# Streetlights	Owner	Ownership status	LED %	Value	LED conversion rate	Smart/streetlights ratio	Notes
Los Angeles, CA	4,783,342	200,000	City of Los Angeles Public Works	Public	44.1%	141,089	Has converted 200,000 units to be smart phase will include conversion of decorative lights	2,260 smart streetlights installed, with plans for 10,000 more	Phase out of smart retrofit program. Study and Cost have also been reviewed
San Antonio, TX	1,517,871	13,700	City of San Antonio S.A. Electric Utility (S.A. Electric)	Public	32.8%	4,500	1,000 converted so far, remainder will be converted by 2020	Phase out of smart retrofit program. Study and Cost have also been reviewed	Phase out of smart retrofit program. Study and Cost have also been reviewed
San Francisco, CA	873,965	8,000	City of San Francisco	Public	31.8%	2,500	1,700 converted so far, 4,000 more about to be converted by end of program.	No current smart retrofit plans	Phase out of smart retrofit program. Study and Cost have also been reviewed

EV Charging Infrastructure (70 Countries)

Country	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total EVSE units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Total EVSE value	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX
Residential L2 units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Residential L2 value	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX
Public L2 units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
Public L2 value	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX
DCFC units	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
DCFC value	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX	\$XX

Street Lighting Datasets:

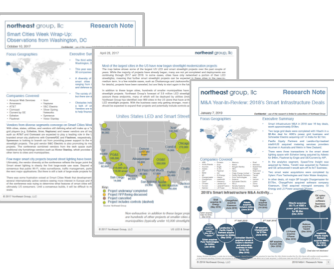
- Excel dataset of 30,000 data points covering 125 individual countries with 10-year forecasts (units and value) of both annual and cumulative market;
- Data is split by total number of streetlights, LED conversions and smart/networked streetlights; and
- Separate dataset on 306-largest cities in US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

Electric Vehicle Charging Infrastructure Dataset:

- Number of charging points by country, including level 2, DC fast charging and residential/public, with 10-year forecasts.
- *Electricity, water & gas datasets also available for an additional cost.*

Research Notes

Research Notes



Periodic shorter 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;*
- *Smart Infrastructure M&A Activity;*
- *Et al.*

Contact:

Northeast Group, LLC
 1316 9th St NW
 Suite 6
 Washington, DC 20001 USA

 Ben Gardner
 ben.gardner@northeast-group.com
 +1 (202) 538-0848

Analyst Hours

½ analyst hour (30 min) per month for inquiries

Inquire for pricing