

BEST PRACTICES BY DIMENSIONS



SMART GRID PROGRESS (2021-2022)



CATALYSING SMARTER & GREENER GRID

SGI Benchmarking Results 2022

KEY FINDINGS

UTILITIES

achieve highest growth in Data Analytics

N. AMERICA

leads in Energy Storage deployment

ASIA PACIFIC

catches up in AMI meter deployment

7 DIMENSIONS OF A SMART GRID

SMART GRID INDEX

Measures the smartness of electricity grids globally, in seven key dimensions. The benchmarking also identifies best practices to build smarter grids that deliver better value to customers.

AVERAGE SCORE BY REGION (2021 & 2022)



AVERAGE SCORE FOR ENERGY STORAGE DEPLOYMENT BY UTILITIES



AVERAGE SCORE FOR AMI DEPLOYMENT



- 01. MONITORING & CONTROL - SCADA, EMS/EMS/EMS, EMS/EMS/EMS
- 02. DATA ANALYTICS - Smart Meter Coverage, Data Analytics Application
- 03. SUPPLY RELIABILITY - Assets, Assets
- 04. GRID RESILIENCE - Management of Grid Integration, Grid Scale Energy Storage
- 05. GREEN ENERGY - Renewable Energy Penetration, EV Infrastructure
- 06. SECURITY - Cyber Security, Cyber Security
- 07. CUSTOMER ENGAGEMENT & SATISFACTION - Real-time data to Customers, Customer Satisfaction Feedback

BENCHMARKING RESULTS 2022

Utility	Country/Market	Score	+/- (%)	Best Practices
Enel	ITA	80.0	+0.0	Smart Meter Coverage
Edison	ITA	79.0	+0.0	Smart Meter Coverage
Enxio	ITA	78.0	+0.0	Smart Meter Coverage
Enxio	ITA	77.0	+0.0	Smart Meter Coverage
Enxio	ITA	76.0	+0.0	Smart Meter Coverage
Enxio	ITA	75.0	+0.0	Smart Meter Coverage
Enxio	ITA	74.0	+0.0	Smart Meter Coverage
Enxio	ITA	73.0	+0.0	Smart Meter Coverage
Enxio	ITA	72.0	+0.0	Smart Meter Coverage
Enxio	ITA	71.0	+0.0	Smart Meter Coverage
Enxio	ITA	70.0	+0.0	Smart Meter Coverage
Enxio	ITA	69.0	+0.0	Smart Meter Coverage
Enxio	ITA	68.0	+0.0	Smart Meter Coverage
Enxio	ITA	67.0	+0.0	Smart Meter Coverage
Enxio	ITA	66.0	+0.0	Smart Meter Coverage
Enxio	ITA	65.0	+0.0	Smart Meter Coverage
Enxio	ITA	64.0	+0.0	Smart Meter Coverage
Enxio	ITA	63.0	+0.0	Smart Meter Coverage
Enxio	ITA	62.0	+0.0	Smart Meter Coverage
Enxio	ITA	61.0	+0.0	Smart Meter Coverage
Enxio	ITA	60.0	+0.0	Smart Meter Coverage
Enxio	ITA	59.0	+0.0	Smart Meter Coverage
Enxio	ITA	58.0	+0.0	Smart Meter Coverage
Enxio	ITA	57.0	+0.0	Smart Meter Coverage
Enxio	ITA	56.0	+0.0	Smart Meter Coverage
Enxio	ITA	55.0	+0.0	Smart Meter Coverage
Enxio	ITA	54.0	+0.0	Smart Meter Coverage
Enxio	ITA	53.0	+0.0	Smart Meter Coverage
Enxio	ITA	52.0	+0.0	Smart Meter Coverage
Enxio	ITA	51.0	+0.0	Smart Meter Coverage
Enxio	ITA	50.0	+0.0	Smart Meter Coverage
Enxio	ITA	49.0	+0.0	Smart Meter Coverage
Enxio	ITA	48.0	+0.0	Smart Meter Coverage
Enxio	ITA	47.0	+0.0	Smart Meter Coverage
Enxio	ITA	46.0	+0.0	Smart Meter Coverage
Enxio	ITA	45.0	+0.0	Smart Meter Coverage
Enxio	ITA	44.0	+0.0	Smart Meter Coverage
Enxio	ITA	43.0	+0.0	Smart Meter Coverage
Enxio	ITA	42.0	+0.0	Smart Meter Coverage
Enxio	ITA	41.0	+0.0	Smart Meter Coverage
Enxio	ITA	40.0	+0.0	Smart Meter Coverage
Enxio	ITA	39.0	+0.0	Smart Meter Coverage
Enxio	ITA	38.0	+0.0	Smart Meter Coverage
Enxio	ITA	37.0	+0.0	Smart Meter Coverage
Enxio	ITA	36.0	+0.0	Smart Meter Coverage
Enxio	ITA	35.0	+0.0	Smart Meter Coverage
Enxio	ITA	34.0	+0.0	Smart Meter Coverage
Enxio	ITA	33.0	+0.0	Smart Meter Coverage
Enxio	ITA	32.0	+0.0	Smart Meter Coverage
Enxio	ITA	31.0	+0.0	Smart Meter Coverage
Enxio	ITA	30.0	+0.0	Smart Meter Coverage
Enxio	ITA	29.0	+0.0	Smart Meter Coverage
Enxio	ITA	28.0	+0.0	Smart Meter Coverage
Enxio	ITA	27.0	+0.0	Smart Meter Coverage
Enxio	ITA	26.0	+0.0	Smart Meter Coverage
Enxio	ITA	25.0	+0.0	Smart Meter Coverage
Enxio	ITA	24.0	+0.0	Smart Meter Coverage
Enxio	ITA	23.0	+0.0	Smart Meter Coverage
Enxio	ITA	22.0	+0.0	Smart Meter Coverage
Enxio	ITA	21.0	+0.0	Smart Meter Coverage
Enxio	ITA	20.0	+0.0	Smart Meter Coverage
Enxio	ITA	19.0	+0.0	Smart Meter Coverage
Enxio	ITA	18.0	+0.0	Smart Meter Coverage
Enxio	ITA	17.0	+0.0	Smart Meter Coverage
Enxio	ITA	16.0	+0.0	Smart Meter Coverage
Enxio	ITA	15.0	+0.0	Smart Meter Coverage
Enxio	ITA	14.0	+0.0	Smart Meter Coverage
Enxio	ITA	13.0	+0.0	Smart Meter Coverage
Enxio	ITA	12.0	+0.0	Smart Meter Coverage
Enxio	ITA	11.0	+0.0	Smart Meter Coverage
Enxio	ITA	10.0	+0.0	Smart Meter Coverage
Enxio	ITA	9.0	+0.0	Smart Meter Coverage
Enxio	ITA	8.0	+0.0	Smart Meter Coverage
Enxio	ITA	7.0	+0.0	Smart Meter Coverage
Enxio	ITA	6.0	+0.0	Smart Meter Coverage
Enxio	ITA	5.0	+0.0	Smart Meter Coverage
Enxio	ITA	4.0	+0.0	Smart Meter Coverage
Enxio	ITA	3.0	+0.0	Smart Meter Coverage
Enxio	ITA	2.0	+0.0	Smart Meter Coverage
Enxio	ITA	1.0	+0.0	Smart Meter Coverage
Enxio	ITA	0.0	+0.0	Smart Meter Coverage

DISCLAIMER:
We have arrived at the findings, opinions and conclusions outlined in this paper based on application of our methodology to materials and information we believe to be accurate and reliable and which are made available in the public domain at the time we carried out the relevant research and study. Despite our best efforts, the materials and information may include inaccuracies and errors. The findings, opinions and conclusions will be considered solely as statements of opinion on the matters addressed in this paper including the degree of grid smartness ratings and shall not in any way represent authoritative assessments or judgments on any such matters. We assume the sole risk of making use of and/or relying on the findings, opinions and conclusions made available in this paper. To the extent permitted by law, we disclaim liability in any person or entity for all and any liability direct and indirect, special, consequential, incidental losses and damages whatsoever arising from or in connection with your access to or use of the findings, opinions and conclusions in this paper.