Monitoring **Distribution Transformers**

(and why it's the next logical step in a utility's smart grid evolution)

The facts are clear. The grid is aging and is facing new, unprecedented challenges:



4.5 million^{*} **CUSTOMERS** lost power in the 2021 Texas Freeze.

83% **OF UTILITIES**

expect extreme weather to impact future grid stability.



23% **OF CARS SOLD** by 2025 will be EVs.

80% **OF CHARGING** will happen at the home.





OF CAPACITY from DERs by 2025.

And the **implications** for utilities are unavoidable:



More than ever. utilities need accurate. real-time information to manage extreme events.



Changes in residential demand are overloading distribution transformers, increasing failure risk.



This complex ecosystem of generation and storage requires visibility across the grid.



An ideal solution would leverage already deployed grid assets to close the visibility gap.

What if your existing distribution transformers could do more than regulate voltage?

What if they could:





Improve **Grid Visibility**



Just what can a **Distribution Transformer Monitor** do for you?







ubicquia

To learn how monitoring distribution transformers can help your utility, visit **Ubicquia.com/dtm**

¹ https://energy.utexas.edu/ercot-blackout-2021

² https://www.tdworld.com/overhead-distribution/article/21215150/iggeo-how-utilities-can-protect-distributed-grids-from-increasing-extreme-weather-events

³ https://bnef.turtl.co/story/evo-2022/page/3/1

⁴ https://www.forbes.com/wheels/news/jd-power-study-electric-vehicle-owners-prefer-dedicated-home-charging-stations/

⁵ https://www.seia.org/research-resources/solar-market-insight-report-2021-year-review

⁶ https://www.woodmac.com/news/editorial/der-growth-united-states