

We help you extract actionable information from your grid data

PSC and Harmonic Analytics have partnered to bring together their deep and complementary expertise in power systems engineering and data science to help clients become more data-driven.

We solve big data problems

The largest producers of power grid data are the hundreds of millions of sensors and controls embedded in smart devices installed in buildings, substations, generators, transformers, and other equipment in electricity transmission and distribution networks. The amount of data from a higher penetration of variable renewable generation resources, demand response programs, weather agencies, and distributed energy resources like electric vehicles and battery storage has the potential to overwhelm even the most experienced grid operator. Add to that the potential social media data and video surveillance available from various sources. The challenge becomes clear:

[Extracting actionable information from this abundance of operational and non-operational grid data.](#)

Why engage us? We deliver results

Our practical independent experience as electricity experts and data scientists support your efforts by combining electricity system knowledge, data science expertise, applied analytics, and software development to provide invaluable business insights and actionable information at your fingertips.

Data Analytics highlights

- We help our clients unlock the value of their operational and non-operational data to solve complex problems and make better, data-driven decisions.
- Our services help reduce your operating costs, optimize your capital expenditure and improve your system resiliency.
- Our senior consultants have been amassing knowledge and experience worldwide for over 25 years and are putting those resources at your disposal to help improve your operational efficiencies, such as spares allocation and reduced call outs.
- We provide practical real-life solutions for mitigation of disaster recovery and asset failure risk through detailed forecasting and scenario planning.
- Our experts help you anticipate risk by providing analytics to forecast activities like changes in power flow and modeling consumer behavior.

Our capabilities

PSC and Harmonic Analytics offer support for engineering, operational and investment-based decisions, including:

- Data-driven Network Analysis
- DER Planning
- Utility Telecoms and Data Networks
- SCADA
- Metering
- Asset and Systems Operations
- Asset Condition Monitoring
- Cloud-based or hosted solutions that meet our customers' IT security requirements

About PSC

At PSC, we're helping power a more sustainable world. Our global team of electricity experts has been tackling the thorniest problems for some of the most prominent industry players for over 25 years. By empowering people to make a difference and do the right thing, we help our clients and employees innovate and thrive in a rapidly changing industry.

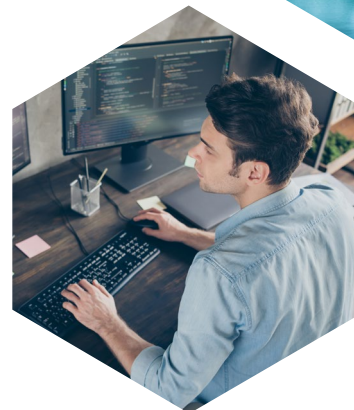
Our global team of consultants, professionals and engineers leverage lessons learned from our projects around the world to provide our clients with expert, independent advice. We've been doing this since 1995 and we're just as passionate today as we were when we started. Always putting our clients' needs first, we've helped evaluate and implement new and emerging technologies for real-time operations, DER management, transmission renewables integration, network testing and analytics, and grid security compliance to help our clients develop their grid of the future.

About Harmonic Analytics

Harmonic Analytics is a leading data science company with global partners and clients. We combine data science expertise, applied analytics and software development – to provide invaluable business insights.

Harmonic has 13 years of experience with asset management analytics and software tools across various sectors, including agriculture, aviation, banking, energy, health, telecommunications, transportation and utilities.

We have experience in the energy sector with clients, including major transmission organizations, market operators, and distribution utilities. We have developed data science solutions to solve challenges related to data quality, customer segmentation, asset lifecycle, resiliency, capacity and investment planning.



**Specialist Consultants
to the Electricity Industry**
pscconsulting.com

harmonic
analytics
harmonic.co.nz

CONTACT US