

Several countries, regions, and states are leading the transitions to electricity systems primarily powered by renewable energy and other low-emission energy sources. Complementary storage, efficiency, and smart grid technologies are helping advance these transitions, along with increased sector coupling.

Jurisdictions around the world are seeking to follow these paths to modern, low-emission energy systems to meet a range of environmental, economic, and reliability goals. However, governments, system operators, research and educational institutes, and other actors face significant challenges in acquiring and applying the requisite knowledge to rapidly transform power systems.

**There is a clear need for a global consortium to overcome these common barriers across all regions and foment clean energy transitions at unprecedented scope and scale.**

To address this need, the Global Power System Transformation (G-PST) Consortium, an expert- and practitioner-driven initiative, engages key power system operators, research and educational institutes,

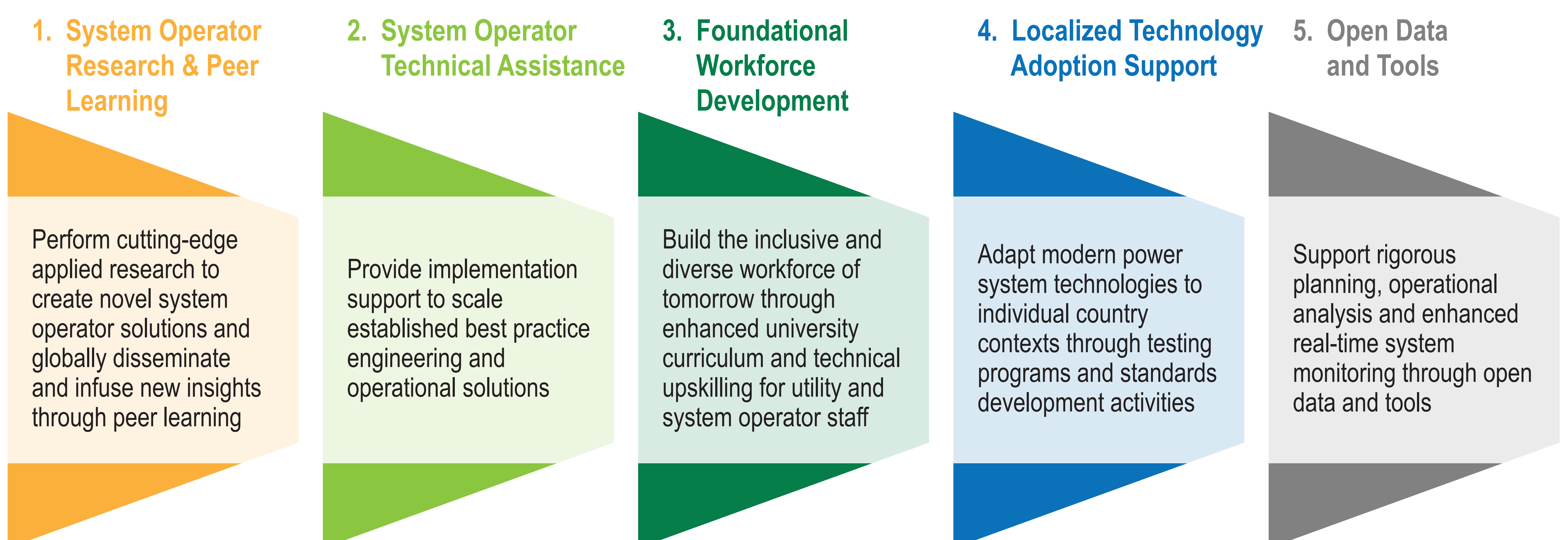
governments, businesses, and stakeholders in all regions of the world to accelerate clean energy transitions at the ambitious scope and scale that is required.

The G-PST Consortium provides coordinated, holistic support and knowledge infusion for system operators pursuing clean energy transitions, including performing cutting-edge research; providing implementation support for world-class engineering and operational solutions; supporting workforce development; building and disseminating open-access data and tools; and accelerating localized technology adoption, standards development, and testing programs.

### Visionary Goal

Dramatically accelerate transitions to low-emission, low cost, secure, and reliable power systems contributing to >50% emission reductions over 10 years, with \$2 billion of donor support for technical, market, and workforce development solutions that unlock \$10 trillion+ of private sector investment.

## The Consortium Advances Action in 5 Areas that Reinforce Existing Initiatives



For more information visit [www.globalpst.org](http://www.globalpst.org) or contact us by email at [globalpst@nrel.gov](mailto:globalpst@nrel.gov).



Regional training, peer exchange, and communities of practice for system operator personnel from all countries with lighter expert advisory support available to all



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