



THE ELECTRICITY TRANSITION PLAYBOOK: your roadmap to delivering a successful energy transition in your country

The Challenge

It is widely agreed that clean electricity will play a major role in meeting global energy needs in the future. However, there are many barriers to overcome before this potential can be realised. And we must overcome them together.

Right now, annual investment in grids globally is just \$300bn when it needs to be \$600bn by 2030. Within Emerging Markets and Developing Economies it's just \$70bn but needs to be \$300bn by 2030, to be on track for the 1.5°C target. This may seem a lot, but the cost of delay will be in the trillions.

In order for nations to meet their sustainable development goals, they have to overcome a wide range of challenges including collecting data, developing energy modelling skills and changing policy. On top of this, they have to convince colleagues that the energy agenda can support other vital developments such as economic growth, employment, education and health. Then they must convince potential investors to fund them.

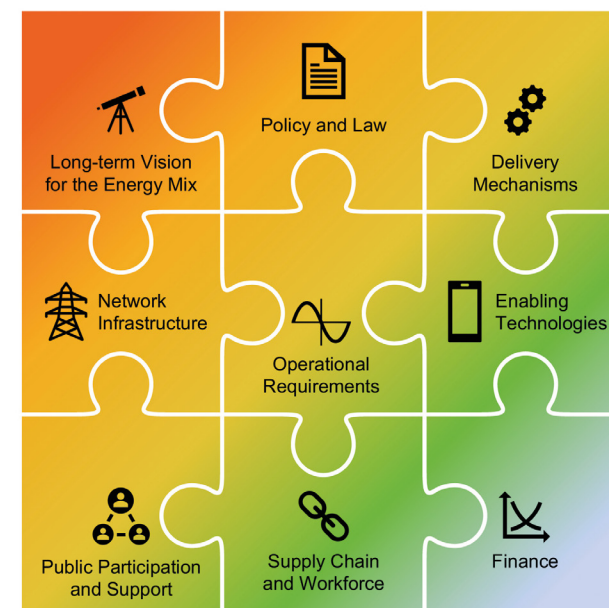
Within the International Finance Institutions, Multilateral Development Banks and other sources of investment, the major barrier is credibility. If a country's case for investing in a large national infrastructure project cannot demonstrate collective national support, a policy framework that enables the transition, a data-driven business case and a clear plan for implementation, investors cannot risk trillions of dollars even if the project is promoted as green.

We understand these challenges and we understand how to overcome them. We have developed a unique approach, which has been tested thoroughly with relevant stakeholders, and which provides a roadmap to successfully achieving a clean electricity transition within a country. We call this the Electricity Transition Playbook (ETP).

What is the ETP?

The starting point for joining the ETP community is a free online course taken via the [Open University](#). This will deliver state of the art knowledge to you and your team on the building blocks of electricity transitions. Following this, the ETP community provides you with ongoing access to a group of experts all facing similar challenges. Becoming part of ETP will enable your team to be at the forefront of the electricity transition.

It is a **practical guide** to help you navigate through the complex journey of the electricity transition. It's a **tailored approach** to shape the electricity landscape of each nation. It features **nine interconnected building blocks** of electricity transition with resources for each. It provides a **Progressive scorecard** to empower each nation to measure its readiness for transition. And it has a **community of growing knowledge** to share best practice and support each other.



It's all connected

Creating a successful plan for the energy transition, and ensuring it delivers benefits to ALL the people in a country, involves very wide-ranging consultation and consideration of multiple issues. The nine building blocks of the ETP are not siloed chapters but are interwoven, just like every facet of an electricity transition. From understanding your resources and ensuring their sustainability, to managing demand and supply, financing the initiatives, and most importantly, ensuring a resilient and secure grid - every chapter relates to the others. And when these blocks work in synergy, they create a robust, sustainable, and efficient energy ecosystem.

Government as the catalyst for positive change

Governments are the obvious leaders of this process with their vision for a sustainable and thriving economic future that benefits their people. They can't do it alone, so the private sector, civil society, and communities must play significant roles, as well as global investors. But through its unique connection with all aspects of its people, and its ability to create policy frameworks that facilitate investment in joined-up projects, it's the Government of a country that will overcome barriers and streamline the transition. Renewable energy sources will deliver sustainability, long-term cost-effectiveness, jobs and opportunities. Doing nothing will result in trillions of dollars of costs. As enlightened Governments know, the transition to clean electricity makes economic as well as environmental sense. And with the ETP they have a clear way to get there.

The universal relevance of the ETP

We fully respect the unique character of each individual country and that is why we have worked hard to ensure that the ETP has universal relevance. Whether a nation is just starting to emerge and creating rapidly growing energy needs, or if it's an established one with a mature energy grid, the Playbook has insights tailored for both of them. It's a dynamic tool, adaptable and relevant to diverse national contexts. It understands that while the goal of sustainable energy is universal, the path to it is uniquely tailored to each nation's context.

The ETP scorecard: rate your progress

One highlight of the ETP is its scorecard mechanism. For any nation, understanding its progress towards energy transition and identifying the areas to focus on, is paramount. This scorecard is an aid to assess progress and readiness level across the 9-building blocks, to identify gaps and crystallise action.

How well do you feel your country is progressing?
Take this quick test to find out.

Want to find out more?



Talk to us today during one of our sessions, email us: ccg@lboro.ac.uk or visit our website: www.climatecompatiblegrowth.com

The ETP Scorecard				status				We have not started				We have made some progress				We have a clear plan and have started			
1. Long-term vision for the energy mix				Where do we stand in shaping our long-term energy vision with stakeholders, using quantitative models, and setting priorities?															
2. Policy and Law				Where are we in implementing laws and policies for the transition. Have we cross-government and political support for these policies?															
3. Delivery mechanisms				Do we have the mechanisms and markets in place to bring on renewables and clean flexible power in an economic manner?															
4. Network infrastructure				Do we understand the need and have the mechanisms to deliver critical grid infrastructure in a timely and efficient manner?															
5. Operational requirements				Where are we in addressing challenges and maintaining operability to secure supply during grid decarbonisation?															
6. Enabling technologies				Where are we in developing enabling technologies such as digital, data, telecoms and other sectors that the electricity sector will rely on?															
7. Public participation and support				Where are we on engaging consumers and communities on the need and approach to transition, how effective are we at listening and incorporating their perspectives?															
8. Supply chain and workforce				How are we tackling supply chain issues, supporting our workforce, and addressing skill gaps for a smooth energy transition?															
9. Finance				Have we a plan to finance the transition, do we have the right structures and mechanisms to attract private investment?															