



SDG7 Energy Compact of Power Ledger

A next Decade Action Agenda to advance SDG7 on sustainable energy for all, in line with the goals of the Paris Agreement on Climate Change

SECTION 1: AMBITION

1.1. Ambitions to achieve SDG7 by 2030. [Please select all that apply, and make sure to state the baseline of each target]

(Member States targets could be based on their NDCs, energy policies, national five-year plans etc. targets for companies/organizations could be based on their corporate strategy)

<input type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable and modern energy services.	Target(s): Time frame: Context for the ambition(s):
<input checked="" type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	Target(s): 100% 24/7 Carbon-Free Energy Time frame: 2025 Context for the ambition(s): Powerledger will achieve 100% 24/7 Carbon-Free Energy by 2025, starting from a mixed renewables procurement baseline in 2021.
<input type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.	Target(s): Time frame: Context for the ambition(s):
<input checked="" type="checkbox"/> 7.a. By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.	Target(s): Digitization of 20 percent of global clean energy markets Time frame: 2030 Context for the ambition(s): From a baseline of less than zero percent in 2021, Powerledger will collaborate with partners across sectors, industries, institutions, and borders to support the digitization of 20 percent of global clean energy systems, networks and marketplaces by 2030. This will include collaborative research, development, deployment and scaling of clean energy technology, decentralized energy infrastructure, and innovative financing and investment models.
<input checked="" type="checkbox"/> 7.b. By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programs of support.	Target(s): Over three million prosumers Time frame: 2030 Context for the ambition(s): Powerledger will expand equitable, inclusive, clean, and resilient peer-to-peer energy trading networks to over three million prosumers by 2030.

1.2. Other ambitions in support of SDG7 by 2030 and net-zero emissions by 2050. [Please describe below e.g., coal phase out or reforming fossil fuel subsidies etc.]

Target(s): Decarbonize and verify clean sourcing of 20 percent of cryptocurrency.

Time frame: 2030

Context for the ambition(s): While the current baseline is unknown, Powerleger will help decarbonize and verify clean sourcing of 20 percent of cryptocurrency by 2030.

Target(s): Enhance transparency, veracity, speed, efficiency and affordability for 20 percent of environmental commodity markets

Time frame: 2030

Context for the ambition(s): Enhance transparency, veracity, speed, efficiency and affordability for 20 percent of environmental commodity markets by 2030.

SECTION 2: ACTIONS TO ACHIEVE THE AMBITION

2.1. Please add at least one key action for each of the elaborated ambition(s) from section 1. *[Please add rows as needed].*

<i>Description of action (please specify for which ambition from Section 1)</i>	<i>Start and end date</i>
Ambition (SDG 7.2): Achieve 100% 24/7 Carbon-Free Energy by 2025, starting from a mixed renewables procurement baseline in 2021. Action: Develop clean self-generation where possible; purchase from clean, renewable energy sources where possible; purchase RECs for energy that the company cannot source directly.	2022-2025
Ambition (SDG 7.a): Work across sectors, industries, institutions, and borders to support the digitization of 20 percent of global clean energy systems, networks and marketplaces by 2030. Action: Proactively engaging and working with stakeholders across sectors, industries, institutions, globally (developed and developing countries).	2022-2030
Ambition (SDG 7.b): Expand equitable, inclusive, clean, and resilient peer-to-peer energy trading networks to over three million prosumers by 2030. Action: Extensive and proactive partnership and project development across all sectors, industries, and institutions.	2022-2030
Ambition (Other): Decarbonize and verify clean sourcing of 20 percent of cryptocurrency by 2030. Action: Proactively engage and work with: cryptocurrency developers, miners-minters, and buyers; platforms, exchanges, and regulators; clean energy producers and suppliers; third-party verifiers, brokers, asset managers, accountants, and auditors; advocacy organizations and trade associations.	2022-2030
<i>Description of action (please specify for which ambition from Section 1)</i>	<i>Start and end date</i>

Ambition (Other): Enhance transparency, veracity, speed, efficiency and affordability for 20 percent of environmental commodity markets by 2030.
 Action: Proactively engage and work with: clean energy and environmental commodity producers and consumers; registries, exchanges, ISO/RTOs, and regulators; third-party verifiers, brokers, asset managers, accountants, and auditors; advocacy organizations and trade associations.

2022-2030

SECTION 3: OUTCOMES

3.1. Please add at least one measurable and time-based outcome for **each** of the actions from section 2. *[Please add rows as needed].*

<i>Outcome</i>	<i>Date</i>
<p>Ambition (SDG 7.2): 100% 24/7 Carbon-Free Energy by 2025. Outcome: The complete decarbonization of total energy consumption through 24/7 Carbon-Free Energy by 2025 with time and location stamping will help support the development of clean energy generation and storage closer to the source of consumption, which will in turn increase the stability, resiliency, and affordability of the grid for all.</p>	2025
<p>Ambition (SDG 7.a): Digitization of 20 percent of global clean energy systems, networks and marketplaces by 2030. Outcome: Cleaner, more efficient, effective, resilient and affordable energy systems, networks, and marketplaces optimized and ready to support accelerated decarbonization.</p>	2030
<p>Ambition (SDG 7.b): Expand equitable, inclusive, clean, and resilient peer-to-peer energy trading networks to over three million prosumers by 2030. Outcome: Over three million prosumers participating in clean peer-to-peer energy trading networks globally (developed and developing countries) by 2030 will result in a cleaner, more efficient, equitable, and affordable energy services and the accelerated deployment of clean energy and storage technology.</p>	2030
<p>Ambition (Other): Decarbonize and verify clean sourcing of 20 percent of cryptocurrency by 2030. Outcome: Twenty percent of cryptocurrency decarbonized and verified as clean source by 2030; increased energy efficiency of operations and the deployment of clean energy generation and storage technologies.</p>	2030
<p>Ambition (Other): Enhance transparency, veracity, speed, efficiency and affordability for 20 percent of environmental commodity markets by 2030. Outcome: Transparent, efficient, and effective markets that are integrous and free from double-counting.</p>	2030

SECTION 4: REQUIRED RESOURCES AND SUPPORT

4.1. Please specify required finance and investments for each of the actions in section 2.

Ambition (SDG 7.2): 100% 24/7 Carbon-Free Energy by 2025.
Resources and Support: None.

Ambition (SDG 7.a): Digitization of 20 percent of global clean energy systems, networks and marketplaces by 2030.
Resources and Support: Power Ledger will make its products and services available to support all stakeholders in achieving their SDG 7.a commitments.

Ambition (SDG 7.b): Expand equitable, inclusive, clean, and resilient peer-to-peer energy trading networks to over three million prosumers by 2030.
Resources and Support: Power Ledger will make its products and services available to support all stakeholders in achieving their SDG 7.b commitments.

Ambition (Other): Decarbonize and verify clean sourcing of 20 percent of cryptocurrency by 2030.
Resources and Support: Power Ledger will make its products and services available to support all stakeholders in achieving their SDG 7 commitments.

Ambition (Other): Enhance transparency, veracity, speed, efficiency and affordability for 20 percent of environmental commodity markets by 2030.
Resources and Support: Power Ledger will make its products and services available to support all stakeholders in achieving their SDG 7 commitments.

4.2. [For countries only] In case support is required for the actions in section 2, please select from below and describe the required support and specify for which action.

[Examples of support for Member States could include: Access to low-cost affordable debt through strategic de-risking instruments, capacity building in data collection; development of integrated energy plans and energy transition pathways; technical assistance, etc.]

<input type="checkbox"/> Financing	Description
<input type="checkbox"/> In-Kind contribution	Description
<input type="checkbox"/> Technical Support	Description
<input type="checkbox"/> Other/Please specify	Description

SECTION 5: IMPACT

5.1. Countries planned for implementation including number of people potentially impacted.

Global.

5.2. Alignment with the 2030 Agenda for Sustainable Development – Please describe how **each** of the actions from section 2 impact advancing the SDGs by 2030.

[up to 500 words, please upload supporting strategy documents as needed]

In addition to substantially increasing our own share of renewable energy and becoming prosumers (producing more renewable energy than we consume), Power Ledger is committed to working across sectors, industries, institutions, and borders to accelerate the research, development, and deployment of clean energy technologies, infrastructure, and investment while expanding equitable, inclusive, clean, and resilient peer-to-peer energy trading networks to over three million prosumers (developed and developing countries) by 2030.

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how **each** of the actions from section 2 align with the Paris Agreement and national NDCs (if applicable) and support the net-zero emissions by 2050.

[up to 500 words, please upload supporting strategy documents as needed]

Power Ledger's corporate climate objective is to achieve net-zero across all operations by 2025, maintain net-zero as standard operating procedure in perpetuity, with the potential to achieve net-negative by producing more clean energy than we consume. While working to achieve these internal targets, our business model, products, and services are designed to help companies, governments, institutions, communities, and individuals meet their decarbonization targets and accelerate the clean energy transition while increasing access, security, resiliency, and equity. Our products and services are also able to increase transparency, track, and trace provenance, and ensure the veracity of clean energy and other environmental commodity claims. This makes for more efficient and effective markets and prevents double-counting.

SECTION 6: MONITORING AND REPORTING

6.1. Please describe how you intend to track the progress of the proposed outcomes in section 3. Please also describe if you intend to use other existing reporting frameworks to track progress on the proposed outcomes.

Data tracking systems; annual reporting; annual target revision and ratcheting as needed.

SECTION 7: GUIDING PRINCIPLES CHECKLIST

Please use the checklist below to validate that the proposed Energy Compact is aligned with the guiding principles.

I. Stepping up ambition and accelerating action - Increase contribution of and accelerate the implementation of the SDG7 targets in support of the 2030 Agenda for Sustainable Development for Paris Agreement

I. 1. Does the Energy Compact strengthen and/or add a target, commitment, policy, action related to SDG7 and its linkages to the other SDGs that results in a higher cumulative impact compared to existing frameworks?

Yes No

I. 2. Does the Energy Compact increase the geographical and/or sectoral coverage of SDG7 related efforts? Yes No

I.3. Does the Energy Compact consider inclusion of key priority issues towards achieving SDG7 by 2030 and the net-zero emission goal of the Paris Agreement by 2050 - as defined by latest global analysis and data including the outcome of the Technical Working Groups? Yes No

II. Alignment with the 2030 agenda on Sustainable Development Goals – Ensure coherence and alignment with SDG implementation plans and strategies by 2030 as well as national development plans and priorities.

II.1. Has the Energy Compact considered enabling actions of SDG7 to reach the other sustainable development goals by 2030? Yes No

II.2. Does the Energy Compact align with national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps? Yes No

II.3. Has the Energy Compact considered a timeframe in line with the Decade of Action? Yes No

III. Alignment with Paris Agreement and net-zero by 2050 - Ensure coherence and alignment with the Nationally Determined Contributions, long term net zero emission strategies.

III.1. Has the Energy Compact considered a timeframe in line with the net-zero goal of the Paris Agreement by 2050? Yes No

III.2. Has the Energy Compact considered energy-related targets and information in the updated/enhanced NDCs? Yes No

III.3. Has the Energy Compact considered alignment with reaching the net-zero emissions goal set by many countries by 2050? Yes No

IV. Leaving no one behind, strengthening inclusion, interlinkages, and synergies - Enabling the achievement of SDGs and just transition by reflecting interlinkages with other SDGs.

IV.1. Does the Energy Compact include socio-economic impacts of measures being considered? Yes No

IV.2. Does the Energy Compact identify steps towards an inclusive, just energy transition? Yes No

IV.3. Does the Energy Compact consider measures that address the needs of the most vulnerable groups (e.g. those impacted the most by energy transitions, lack of energy access)? Yes No

V. Feasibility and Robustness - Commitments and measures are technically sound, feasible, and verifiable based a set of objectives with specific performance indicators, baselines, targets and data sources as needed.

V.1. Is the information included in the Energy Compact based on updated quality data and sectoral assessments, with clear and transparent methodologies related to the proposed measures? Yes No

V.2. Has the Energy Compact considered inclusion of a set of SMART (specific, measurable, achievable, resource-based and time based) objectives? Yes No

V.3. Has the Energy Compact considered issues related to means of implementation to ensure feasibility of measures proposed (e.g. cost and financing strategy, technical assistance needs and partnerships, policy and regulatory gaps, data and technology)? Yes No

SECTION 8: ENERGY COMPACT GENERAL INFORMATION

8.1. Title/name of the Energy Compact

Power Ledger Energy Compact

8.2. Lead entity name (for joint Energy Compacts please list all parties and include, in parenthesis, its entity type, using entity type from below)

Power Ledger Pty Ltd

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization/Youth

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

John Hansen, Business Development Executive
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8.5. Please select the geographical coverage of the Energy Compact

Africa Asia and Pacific Europe Latin America and Caribbean North America West Asia Global

8.6. Please select the Energy Compact thematic focus area(s)

Energy Access Energy Transition Enabling SDGs through inclusive just Energy Transitions Innovation, Technology and Data Finance and Investment.

SECTION 9: ADDITIONAL INFORMATION (IF REQUIRED)

Please provide additional website link(s) on your Energy Compact, which may contain relevant key documents, photos, short video clips etc.