



### SDG7 Energy Compact of Husk Power Systems

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"/> <b>7.1.</b> By 2030, ensure universal access to affordable, reliable and modern energy services.	<p>Target(s):</p> <ul style="list-style-type: none"> <li>7.1.1 – 5,000 minigrids installed</li> <li>7.1.2 – 1 million connections created</li> <li>7.1.3 – 11 million people served</li> <li>7.1.4 – 500,000 businesses served</li> <li>7.1.5 – 500 MW of rural commercial and industrial capacity installed through turnkey rooftop installation</li> <li>7.1.6 – 5 million energy efficient appliances sold</li> </ul> <p>Time frame: 2021-2030</p> <p>Context for the ambition(s):</p> <p>7.1.1 and 7.1.2 – The installations will be in South Asia and Sub-Saharan Africa (starting with India, Nigeria and Tanzania and then expanding to additional countries) and more than half of total energy sold will go to productive uses of power.</p> <p>7.1.4 – The focus will be on servicing micro-, small, and medium-sized enterprises (MSMEs) and productive use applications such as agricultural activities, agro-processing, and cold chain</p> <p>7.1.5 and 7.1.6 – As some customers prefer a captive solution, standalone rooftop will also be supplied to rural commercial and institutional customers, while credit will also be available to purchase energy efficient appliances for both households and productive use</p>
<input type="checkbox"/> <b>7.2.</b> By 2030, increase substantially the share of renewable energy in the global energy mix.	<p>Target(s): Displace 7 Mt of CO<sup>2</sup></p> <p>Time frame: 2021-2030</p> <p>Context for the ambition(s): Husk Power Systems was founded to help electrify off grid and weak communities in Africa and Asia without increasing an ounce of CO<sub>2</sub> in the atmosphere. Our goal is to displace 7 Mt of CO<sub>2</sub> by electrifying customers, which translates into displacing approximately 687 million gallons of diesel consumption</p>
<input type="checkbox"/> <b>7.3.</b> By 2030, double the global rate of improvement in energy efficiency.	<p>Target(s):</p> <p>Time frame:</p> <p>Context for the ambition(s):</p>
<input type="checkbox"/> <b>7.a.</b> 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	<p>Target(s):</p> <p>Time frame:</p> <p>Context for the ambition(s):</p>

energy infrastructure and clean energy technology.	
<input type="checkbox"/> <b>7.b.</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): Time frame: Context for the ambition(s):

**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): Time frame: Context for the ambition(s):
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## 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].

Description of action (please specify for which ambition from Section 1) Installation of 5,000 minigrids that connect 1 million customers, including 500,000 businesses, and benefit 11 million people	Start and end date Present to 2030
Description of action (please specify for which ambition from Section 1) Displacement of 7Mt of diesel generation from all installations	Start and end date Present to 2030
Description of action (please specify for which ambition from Section 1) Sale of 5 million energy efficient appliances through direct and indirect channels	Start and end date Present to 2030
Description of action (please specify for which ambition from Section 1) Installation of 500MW of rural C&I rooftop or ground-mounted solar	Start and end date Present to 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].

5,000 minigrids installed 1 million connections established 500,000 businesses connected 11 million people served 5 million energy efficient appliances purchased 7 Mt of CO2 removed by replacing diesel generators with renewable energy	Date
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## SECTION 4: REQUIRED RESOURCES AND SUPPORT

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

To date, Husk has raised a total of \$40 million in equity and debt capital (investors include Swedfund, FMO, Engie Rasssembleurs d’Energie, Shell), and the company anticipates the need for at least an additional US \$100 million in capital by 2025, including 60% debt (ideally affordable, long-term local currently debt) and 40% equity.

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.

Initial target countries include current focus markets where Husk Power is already operational — for example, Nigeria and India — with the potential to add additional countries in Sub-Saharan Africa and South and Southeast Asia. By benefitting 11 million people, the intervention can have a significant impact on economic activity and social well-being in the rural communities where Husk Power is present, by powering thousands of micro- small and medium-sized enterprises (MSMEs), small factories and public institutions including schools and health clinics.

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]*

Clean energy, especially decentralized solutions like minigrids, were long ago recognized by UN leadership as the “golden thread” linking together the SDGs, and Husk Power’s commitment is no exception. By electrifying rural communities with carbon neutral and/or carbon negative minigrid solutions, Husk will be supporting a range of SDGs: better healthcare outcomes (SDG3) by powering clinics and hospitals, improved food security (SDG2) by increasing yields through irrigation, increasing value-addition with agro-processing and reducing waste with cold storage, access to clean drinking water (SDG6) by powering filtration, increased employment (SDG8) and climate action (SDG13) by building more resilient energy infrastructure and displacing diesel generation.

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]*

The Paris agreement specifically calls for measures that “foster resilience” and the UN Secretary General has called for half of climate finance to be targeted at climate adaptation, with a focus on developing economies and infrastructure. Minigrids are center of the bull’s eye for this objective, while they also support mitigation efforts by displacing diesel generators that are ubiquitous in Husk’s target markets and a significant contributor to emissions from rural business activities, including the food systems value chain.

## 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.

We agree to report annually to UN Energy our progress of numbers 2. and 3. above

## 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 defied 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 assistant 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

HUSK Power Systems 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)

Husk Power Systems

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

William Brent, Chief Marketing Officer, william\_brent@huskpowersystems.com

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.

[Husk Power: 7 Clean Rural Energy Targets for 2030 - YouTube](#)

