

energy web

Energy Web Overview June 2021

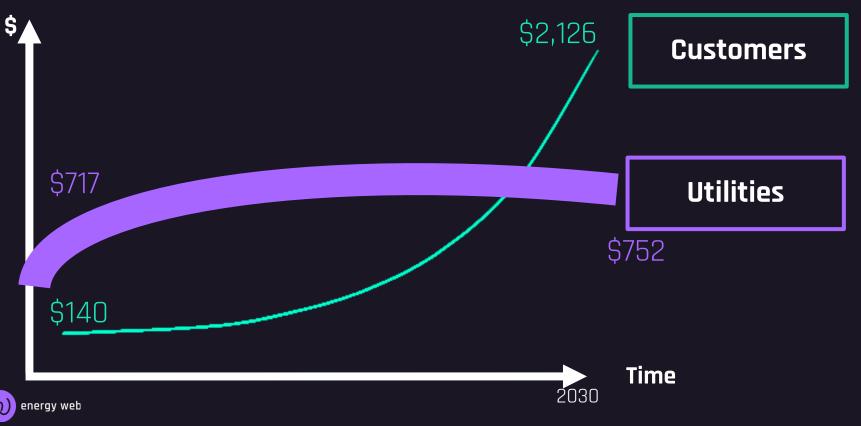
We launched EW to help grid operators transform the way they run 21st century energy markets and programs



Our mission is to develop and deploy a **decentralized digital operating system** for the energy sector in support of a low-carbon energy future

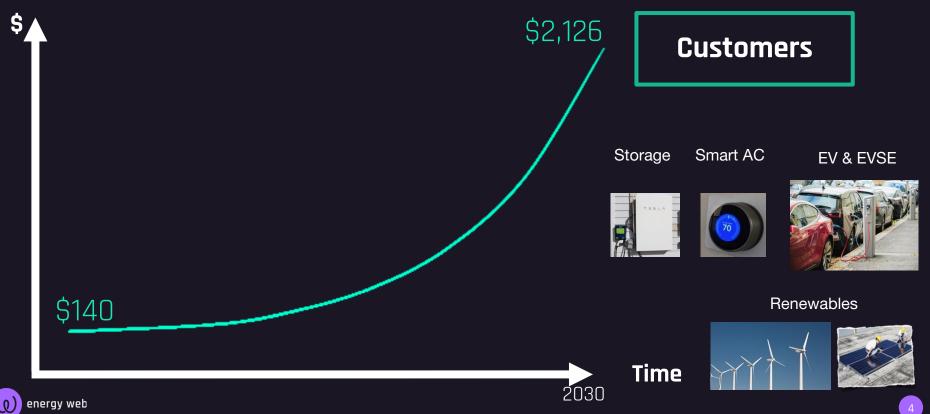


Customer spending on RE & DER is on-track to eclipse utility investment

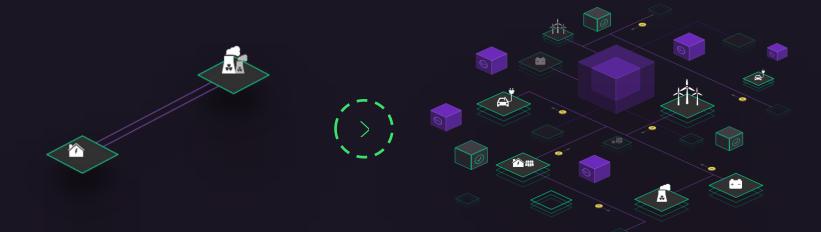


These assets are the future of the energy sector

USD billions



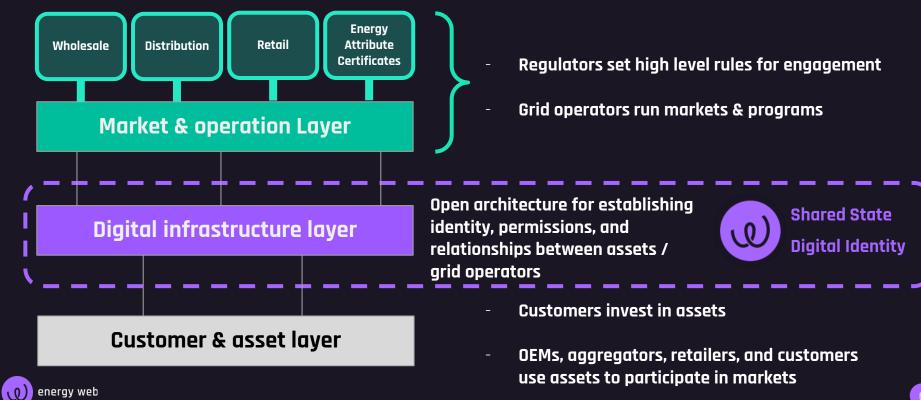
The challenge: grid operators generally unequipped to procure services from DERs. We solve this problem via digital, decentralized infrastructure



20th Century Model: centralized, top-down registration and operation of a small number of thermal assets

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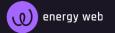
Energy Web Model: decentralized, flexible, bottom-up coordination of a large number of customer, OEM, aggregator, and grid operatorcontrolled low-carbon assets Our objective is to help markets for grid services from DERs—including EVs—to be deployed as quickly as possible across the world



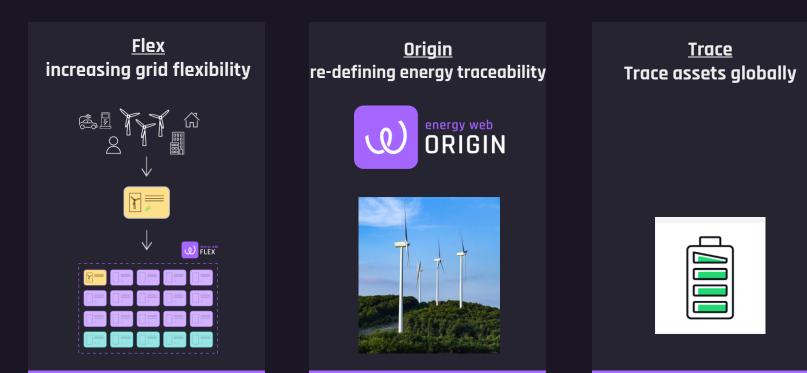
The Energy Web Ecosystem

Member organizations at the forefront of adopting the EW-DOS stack

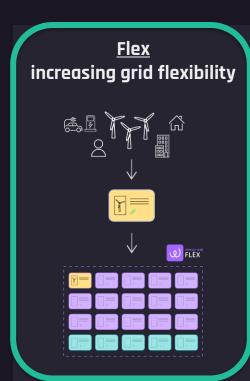




We are working on three application domains where the EW stack can unlock the most value



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<u>Origin</u> re-defining energy traceability

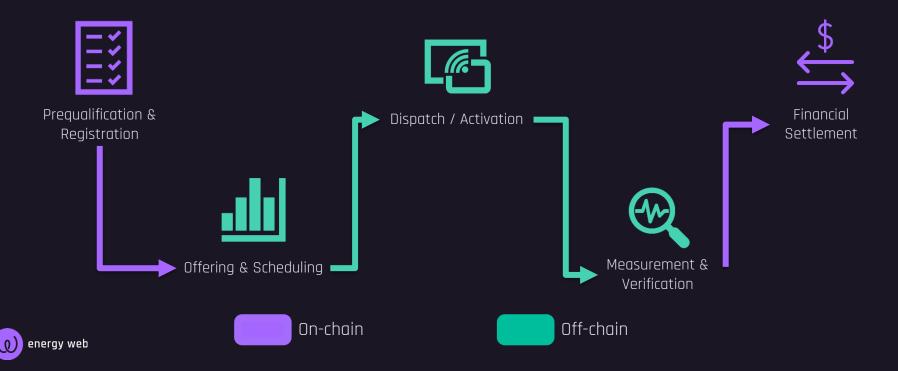




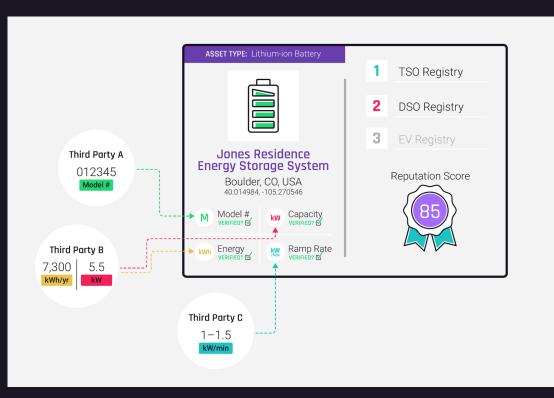
<u>Trace</u> Trace assets globally

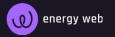


Prosumers and distributed energy resources like vehicles and charge points can provide flexibility. With EW Flex, we make prosumer / DER participation in flex markets <u>trusted by utilities</u> and as <u>easy as online shopping for customers</u>

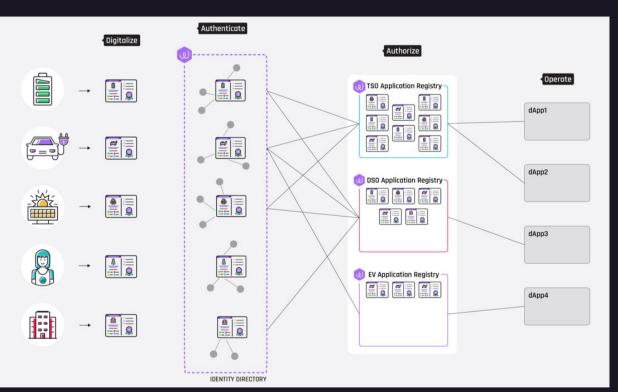


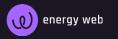
It works by assigning all customers, asset owners, market participants, and authorities a digital identity





Identities can then register to different energy markets according to local / regional / global rules and regulations



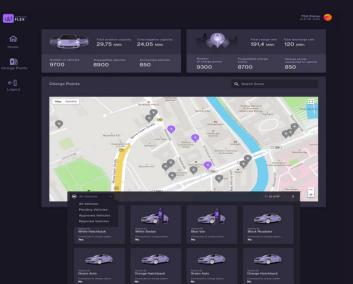


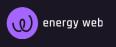






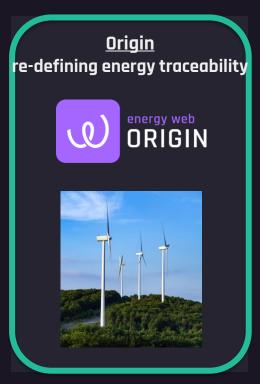






Origin





<u>Trace</u> trace assets globally



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Origin: re-defining energy traceability



- Green Charging
- Electric vehicles can participate in the energy attribute certificates (EAC) markets



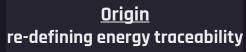
- Simplified access to the fragmented renewables markets around the globe.
- Traceability for carbon offsets from suppliers and the OEM to the customer



Trace

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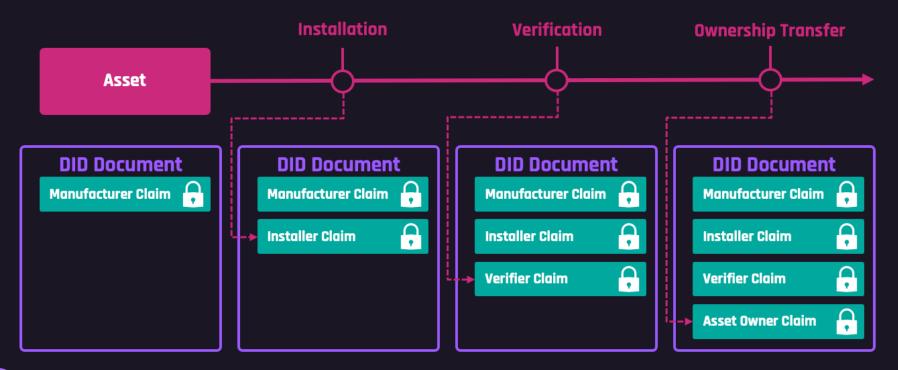








Digitizing Assets and Managing their Lifecycle



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Thank you!

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