

TimberRock Leverages Blockchain To Add Carbon Tracking To Its Award-Winning DE-MAP Software Platform. Energy DNA™ Key To Cleaner Energy For Fortune 500 Energy Consumers

Frederick, Maryland, March 1st, 2018 – Today, TimberRock announced the latest version of its award-winning DE-MAP software that leverages new Blockchain technology to provide real-time carbon tracking for electricity users. DE-MAP measures real-time electricity usage while simultaneously tracking the types of generators that are supplying that energy from the grid. Because the mix of generators on the grid are constantly changing, the carbon-intensity of electricity changes minute-by-minute.

DE-MAP tracks these changes exposing what TimberRock calls the Energy DNA for every megawatt-hour of electricity consumed. The carbon content is then tokenized and published to an Ethereum Blockchain. The Blockchain then allows transparent trading of those carbon tokens via smart contracts. The Blockchain trading platform allows large energy consumers to reengineer their energy consumption to be incrementally cleaner over time.

“Roughly half of Fortune 500 companies and hundreds of our largest cities and communities have committed to procuring cleaner energy,” said TimberRock CEO Brent Hollenbeck. “But it’s impossible to improve what you can’t measure and sustainability must also be cost-effective. The latest version of DE-MAP helps achieve both. First, by exposing the Energy DNA of their electricity consumption, Fortune 500 energy consumers are provided a precise carbon baseline. Second, improving that baseline can be achieved via a cost-effective, peer-to-peer carbon trading platform that cuts out intermediaries and helps mitigate the premium associated with clean energy.”

DE-MAP is already utilized on thousands of distributed, renewable energy projects to manage renewable energy credits in multiple markets within the PJM grid. Due to this existing base and scale, TimberRock management believes the newest version of DE-MAP likely represents one of the most ambitious deployments of Blockchain technology to date in the distributed energy industry.

In addition to reducing their own greenhouse gas emissions, DE-MAP’s proven aggregation capabilities provides a Fortune 500 customer a powerful tool to address their larger supply-chain - what the sustainability community calls indirect or Scope 3 emissions. A large scale deployment of DE-MAP which will track carbon-intensity for a Fortune 100 client and that if its larger supply chain is planned for the second-half of 2018.

About TimberRock

TimberRock Advanced Energy is a next generation energy services company, that forms and operates Smart Energy Co-Ops (SECOs). SECOs serve as captive energy companies for large energy consumers providing clean, competitively-priced and more reliable energy. An award-winning company and industry leader, TimberRock’s commitment to economically and environmentally sustainable delivery of electric energy has been widely recognized in leading business and professional publications. TimberRock’s ground breaking work with GM’s On-Star and EVs for grid balancing has been recognized by Forbes, and Navigant Research has highlighted TimberRock as a Microgrid Industry Leader. TimberRock is a recipient of the National Sustainability Award, the Energi 2015 Project Energy Innovator Award, PV America’s 2014 Project of Distinction Award, and the Maryland Energy Administration Game Changer Award. The TimberRock management team holds dozens of patents for advanced energy technologies and have deployed energy projects around the world. Headquartered in Frederick, Maryland, TimberRock manages thousands of renewable energy projects. TimberRock has R&D facilities in Orlando, Florida and conducts software development in New York City.

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