JUICENET ®
SMART [GRID] EV CHARGING

THE **ENERGY SERVICES PLATFORM** FOR EV CHARGING, RENEWABLES, AND OTHER FLEXIBLE LOADS
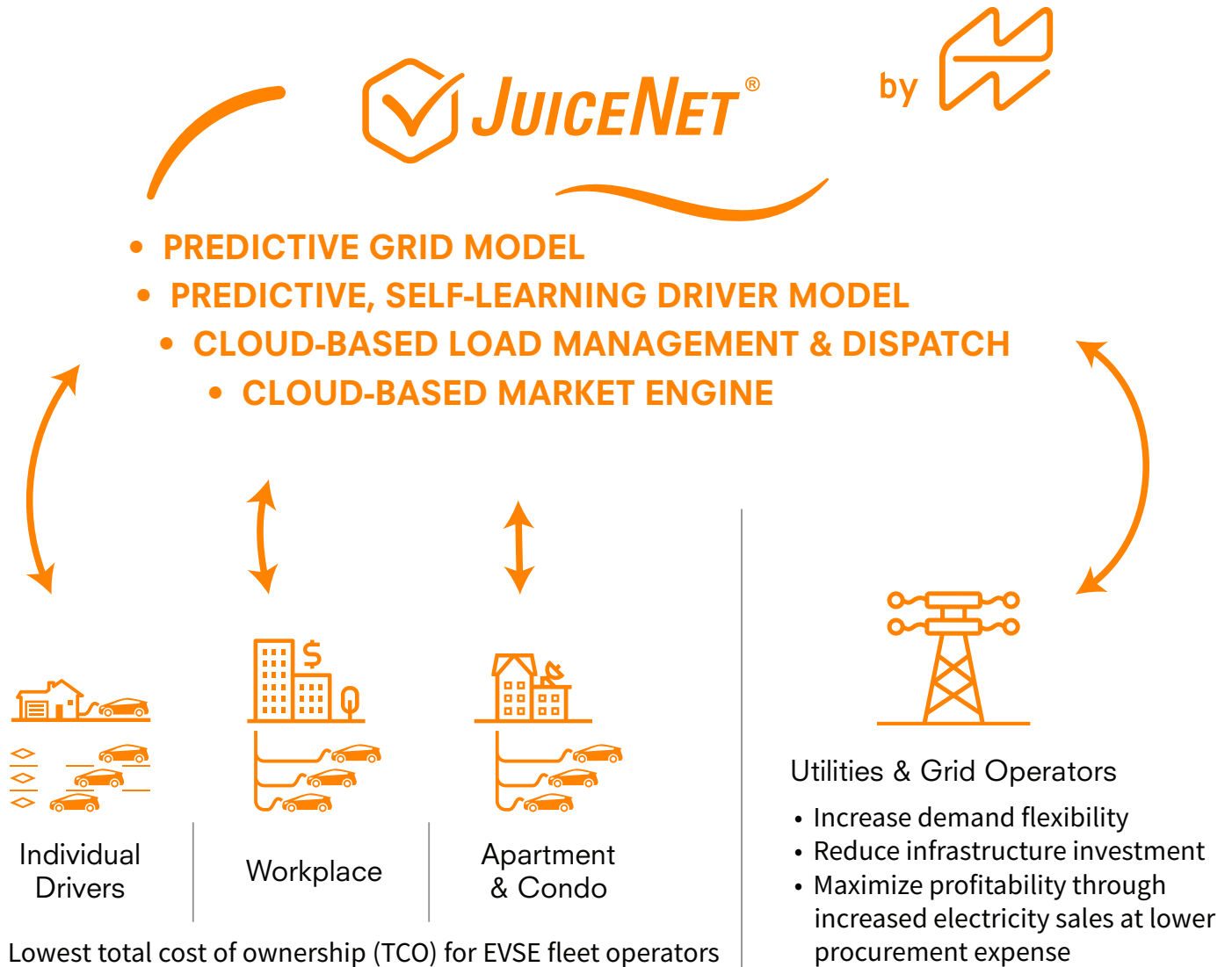
eMotorWerks' JuiceNet provides the industry's first and only platform to address the need to flexibly manage grid demand from high capacity EV charging. Already controlling more load than any other network, JuiceNet is licensed by EV manufacturers, EV Supply Equipment (EVSE) OEMs, and suppliers of other relevant electric loads. JuiceNet balances energy supply and demand, providing real-time demand flexibility to the grid and optimizing the economic value of distributed energy resources.

by

UNIVERSAL EV CHARGING
THROUGH GRID SERVICES

» JuiceNet generates long-term grid services revenues by aggregating distributed energy resources (DER) and offering utilities and grid operators a flexible resource for modulating demand. Initially offered for the rapidly-growing EVSE market, those grid revenues help offset the expense of building out universal charging infrastructure.

JUICENET® by

- **PREDICTIVE GRID MODEL**
- **PREDICTIVE, SELF-LEARNING DRIVER MODEL**
- **CLOUD-BASED LOAD MANAGEMENT & DISPATCH**
- **CLOUD-BASED MARKET ENGINE**

Individual Drivers

Workplace

Apartment & Condo

Lowest total cost of ownership (TCO) for EVSE fleet operators

Utilities & Grid Operators

- Increase demand flexibility
- Reduce infrastructure investment
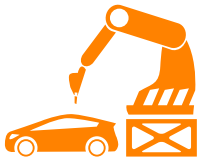- Maximize profitability through increased electricity sales at lower procurement expense

Through machine-based self-learning algorithms, the JuiceNet cloud platform accurately predicts the power and energy needs of the grid, the range needs of vehicle owners, and the environmental factors that impact both, then elegantly modulates the time and rate of EV charging to optimize grid needs and avoid driver inconvenience. These capabilities are matched to a market engine that captures the value of demand response, ancillary service obligations, and other power grid needs, thus creating daily benefits to JuiceNet OEMs, utilities, grid operators, and EV Drivers.
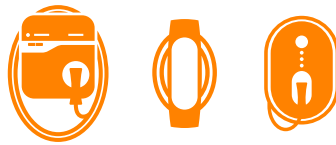
A FLEXIBLE PLATFORM
FOR SHIFTABLE LOADS

JuiceNet can be made available via:

- Software-as-a-Service (SaaS)
- Hardware plugins for existing third-party EVSEs
- JuiceBox® EVSE hardware & firmware reference design

JUICENET OEM LICENSEES INCLUDE:

| EV Manufacturers | EV Supply Equipment (EVSE) Manufacturers | Suppliers of Other Load-shiftable IoT Devices |

JUICENET CHANNEL PARTNERS

JuiceNet partners include manufacturers and developers of renewable energy products and services for which JuiceNet optimizes system economic value by:

- Scheduling loads to optimize renewable generation & storage vs. utility tariffs
- Reducing demand charges via Building Energy Management System (BEMS) coordination
- Generating revenue from demand response (DR) & ancillary services

| Solar PV | Storage | BEMS | DR Aggregators |

THE MARKET LEADER
IN SMART-GRID EV CHARGING

eMotorWerks offers the first and only energy services platform for smart-grid EV charging, having pioneered North American retail and wholesale EVSE energy market participation in 2015. Our SaaS platform is architected to support EV industry communication standards such as OCPP, SAE J1772, 15118, and OpenADR as well as other API-based communications and control systems.

JuiceNet was first deployed with eMotorWerks' JuiceBox charging station, and is indisputably the proven market leader in connected, mobile app-controlled, high-performance EV charging stations. Shipped worldwide to over 20,000 customers in over 20 countries, our rapidly-growing EVSE network represents approximately 50 MW of aggregated flexible demand capacity, with additional access to 75 -100 MW of expected additional load via our partners in 2017.

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