

COMPANY

Fulton Innovation, LLC

TECHNOLOGY BRAND

eCoupled™ intelligent wireless power technology

LOCATION

Ada, Michigan, USA

WEB SITE

ecoupled.com

MISSION

Fulton Innovation, a subsidiary of Alticor, Inc., is dedicated to commercializing new and innovative technologies that hold economic and social value and improve the way we live, work and play.

Fulton Innovation is bringing eCoupled technology to market to drive development of the most advanced wireless power technology solution and create a global standard by partnering with leading organizations across a wide range of industries.

TECHNOLOGY OVERVIEW

Power is a current which takes the path of least resistance when broadcast across an open space—unless it is controlled. Traditional power cords serve as physical channels for power to travel through, controlling the path of the energy. eCoupled technology eliminates the need for power cords by creating an electromagnetic conduit combined with an intelligent control system that constantly monitors the power flow to insure optimal efficiency and safety.

The intelligence of eCoupled technology allows it to dynamically seek resonance and optimize power transfers at high efficiencies (greater than 98% at 120 volts/1.4 kilowatts) under multiple, varying spatial configurations and load conditions—from low-power to high-power applications. Power and data can now be efficiently transmitted to virtually any electrical device without the constraints of cords, connectors or contact points. And the solution can be either adaptive or integrated. This means that different devices from different manufacturers requiring different power needs can share a single power source creating a truly interoperable solution which is comparable to hard-wired connections in terms of cost and efficiency.

Through its advanced identification protocol, eCoupled technology adapts its operation to match the needs of each device it powers by communicating with it in real time. It assesses and determines not only power needs, but also factors in battery or device age and charging lifecycles. It provides only the necessary power needed to keep a device operating at peak efficiency. Additionally, eCoupled technology authenticates any device within range. If a device or object is not immediately recognized as eCoupled compatible, the power source will not supply power to it, maintaining a safe operating environment. eCoupled technology has been validated by standards organizations in 38 countries for safety, electromagnetic compatibility (noise) and other international performance criteria.

KEY FEATURES

Convenient – A single power source for a multitude of devices. No more cords, no more limitations

Safe – Only powers eCoupled-enabled devices within range with no exposed connectors

Efficient – Optimizes power transfers at high efficiencies (greater than 98% at 120 volts/1.4 kilowatts)

Adaptable – Can charge or power devices from milliwatts to kilowatts

Intelligent – Recognizes differing devices and power needs and automatically shuts down when charging is complete

Proven – Over 1.5 million devices using eCoupled technology in the marketplace for more than eight years

Patented – Over 400 patents granted, published or pending worldwide