The Equus Flex™ solution is a modular, customizable wireless power Tx-Rx solution with inherent proximity sense and enhanced data capabilities. Utilizing Solace’s patented resonant capacitive coupling technology, the solution transmits scalable power levels for variable-distance transmission. Equus solutions provide noncontact, wireless powering and charging of products and systems through resonant electric fields, without heating nearby metal objects. The Equus Flex solution enables continuous power transfer over a range of resonator displacements and environmental changes. The solution is customizable to perform across various distances and in different environments specific to your product design. Solace designs thin, foil-like resonators to provide easy and lightweight energy shielding.

### Features
- Wireless power transfer solution with scalable power level for variable-distance transmission
- Proximity sensing for lighting (ON/OFF), security or fluid detection
- Enhanced with data transmission capabilities
- Resonator design, output voltage, and distance between resonators are customizable based on product requirements
- Transmission across variable resonator distances
- Integrated communications for Tx-Rx control and monitoring

### Tx Board
- 24 V input voltage
- Linear output power control
- Continuous power measurement and control
- Automatic RF output protection/foreign object detection

### Rx Board
- Linear output current control
- Output voltage configurable from 4 V to 40 V

### Potential Applications
- Rotational and slip-ring power transfer
- Power helmets and vests
- Automotive applications such as interior seating, movable glass, sensors, and heating systems
- Medical equipment such as carts, hospital beds and wheelchairs
- Manufacturing and test equipment, such as forklifts and robotics
- Telecom applications such as power and data through walls and windows for FTTx, Fixed Wireless Access devices, etc.

### Typical Application

Get Equus Flex working for you. For more information visit us at www.solace.ca or reach out at info@solace.ca.