

Electrical Engineering



Electrical engineering involves the development of technologies through applying the physics and mathematics of electricity and electromagnetism.

The field of electrical engineering encompasses a vast range of technology, from tiny integrated circuits to large power generation and transmission systems.

Hamilton Brook Smith Reynolds works with electrical engineers and other inventors to protect their intellectual property in areas such as:

Electronics

- Analog and digital circuits
- Computer hardware
- Electrical Devices
- Infrared and electromagnetic sensors
- Integrated circuits
- Microelectronics
- Memory devices and systems
- Robotics
- Semiconductor technology
- Control Systems

Control Systems

- Manufacturing process monitoring and control circuits
- Microcontrollers
- Open and closed loop feedback systems
- Motion control using state space controllers

Communication and Signal Processing

- Audio and video processing
- Computed Tomography (CT) imaging
- Digital signal processing
- Global positioning systems
- Image processing
- Mobile technologies
- Network infrastructure
- Optics
- Radio frequency technologies
- Sonar technologies
- Telecommunications
- VoIP and video conferencing
- Wireless networks

Power Systems

- Clean technology
- Electric motors and generators
- Energy storage
- Power supplies

Our attorneys have the industry experience and educational background to understand the technical aspects of these types of inventions. Their educational and professional backgrounds enable them to effectively communicate with electrical engineers, understand their goals, and obtain the most effective intellectual property protection for their inventions.