

IndoorAtlas Indoor Positioning System (IPS)

The only geomagnetic hybrid indoor positioning technology delivered as a scalable cloud platform to thousands of developers around the world.



Indoor positioning systems (IPS) locate people or objects inside a building using radio signals, geomagnetic fields, inertial sensor data, barometric pressure, camera data and other sensory information collected by a smartphone or tablet.

Features

- Geomagnetic technology is based on the oldest navigation infrastructure in existence - the Earth's magnetic field.
- Indoor positioning as Platform-as-a-Service
- A wide range of location-based services can be built using indoor positioning technology
- 1-2 meter positioning accuracy

Applications

- Location-based advertising
- Indoor maps and wayfinding
- Transportation
- Social networks
- Safety and security

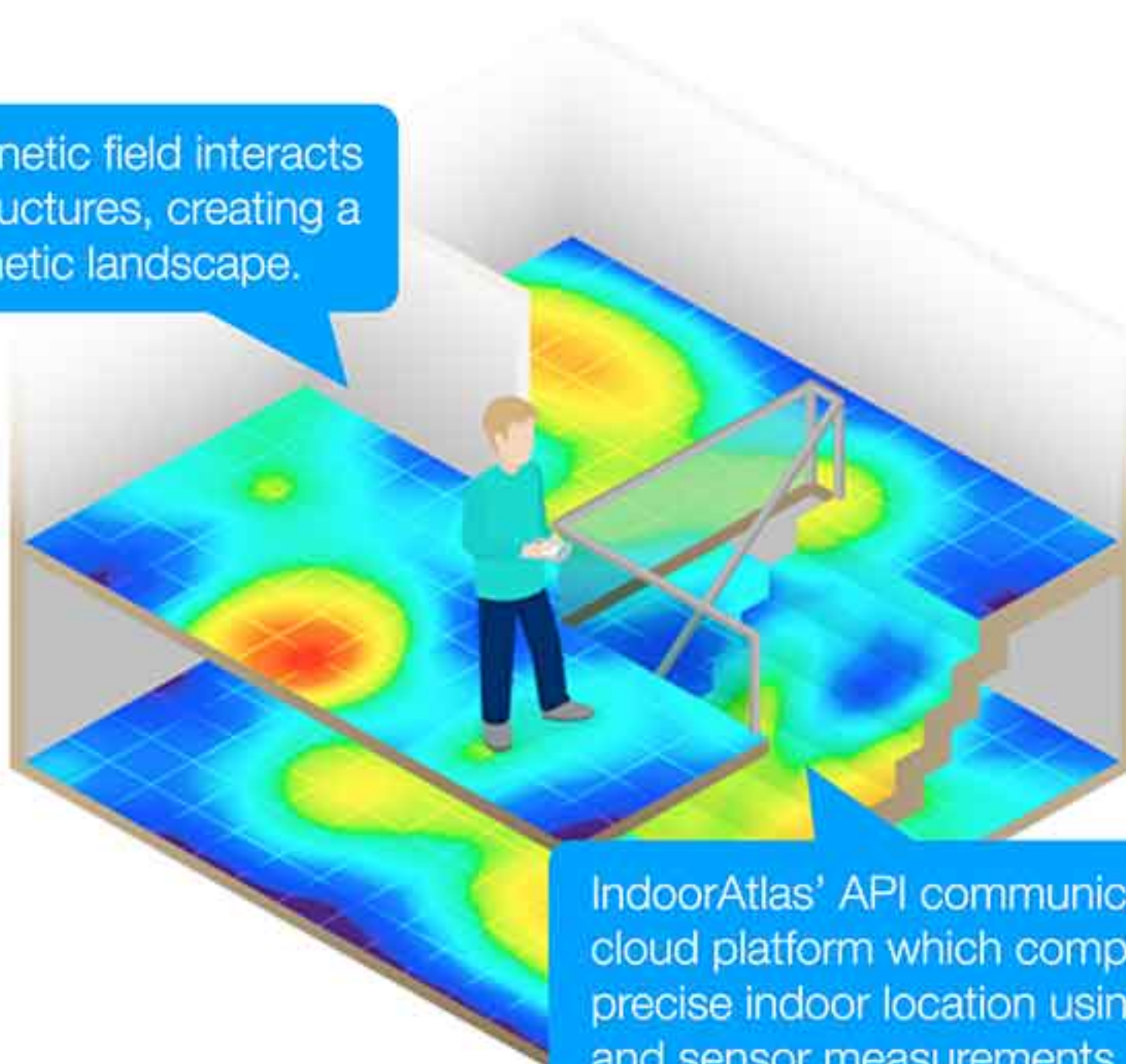
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How it works

The geomagnetic field interacts with steel structures, creating a unique magnetic landscape.



IndoorAtlas' API communicates with the cloud platform which computes the precise indoor location using cloud data and sensor measurements

Leveraging sensors built into smartphones allow the magnetic field and radio signal landscapes to be measured and sent to the IA cloud

