

POLTE

Polte's location-as-a-service software platform is a patented alternative to traditional GPS technology. Polte leverages ubiquitous 4G & 5G cellular networks and cloud computing to enable highly accurate indoor and outdoor location insights across geographies.

Headquartered in Dallas, TX

Who We Are	A leading location services software provider of Cloud Location over Cellular (C-LoC) technology. Our engineers, entrepreneurs and thought leaders have deep expertise in algorithms, cellular, embedded systems, radar and wireless innovation with experience at Bell Labs, Ericsson, GE, MetroPCS, Nokia, T-Mobile and USDS.
What We Do	Polte makes location easy, affordable and secure for commercial and industrial manufacturers, distributors and sellers of goods to optimize management of supply chain, inventory and assets.
Why We're Different	Software-only approach to location services leveraging existing global cellular infrastructure to accurately, securely and cost-effectively provide a low-power alternative to traditional GPS/GNSS while working indoors, outdoors, and across geographies.
Patents	74 Patents (30 issued, 44 pending globally)

Locating Things Everywhere

If you make things, sell things, or own things – Polte makes asset, inventory and logistics management easy. Aerospace, automotive, appliances, energy, food & beverage cold chain, government, healthcare, manufacturing, and sharing economy sectors all save time and money leveraging location data to improve supply chain visibility, reduce shrinkage, and improve customer self-service experiences.

Value Proposition

- **LOCATION ACCURACY EVERYWHERE:** C-LoC outperforms traditional Cell-ID with accuracy equivalent to indoor location technologies like Bluetooth and Wi-Fi while extending outdoors and across geographies by enabling smaller size, lower cost, and longer battery life cloud location sensor devices when compared to traditional GPS/GNSS.
- **SOFTWARE-AS-A-SERVICE:** Software-only solution consisting of IoT device API, Cloud Location Engine, and Location Mapping application enables cloud computing providers, connectivity providers, IoT hardware device makers, service enablement platforms, silicon vendors, and systems integrators to deliver location-enabled insights for Industry 4.0, Supply Chain Excellence, and Digital Transformation initiatives.
- **EASY TO DEPLOY:** Polte leverages existing global 4G & 5G Massive IoT cellular networks and cloud computing so there's no need to build and operate separate networks and computing infrastructure. Polte location services simply deploy over the top of existing cellular and cloud infrastructure which reaches reaches 95% of the world population, and more than 99% of the population in North America and Western Europe.
- **SECURE:** Enhanced privacy and vulnerability mitigation as location is not determined on the Polte-enabled IoT cloud location sensor device. Reduced spoofing risk as compared to traditional GPS/GNSS.

Traction

- Technology validated by multiple major technology firms globally
- Two chipset partners (Altair and Sequans) announced with others committed to embedding Polte Location API on their IoT silicon
- Multiple customer trials underway with commercial and industrial production deployments in USA and Japan slated for 2020

Total Addressable Market by 2023

3.5B
Devices

4G & 5G IoT Devices

(Ericsson Mobility Report, November 2018)

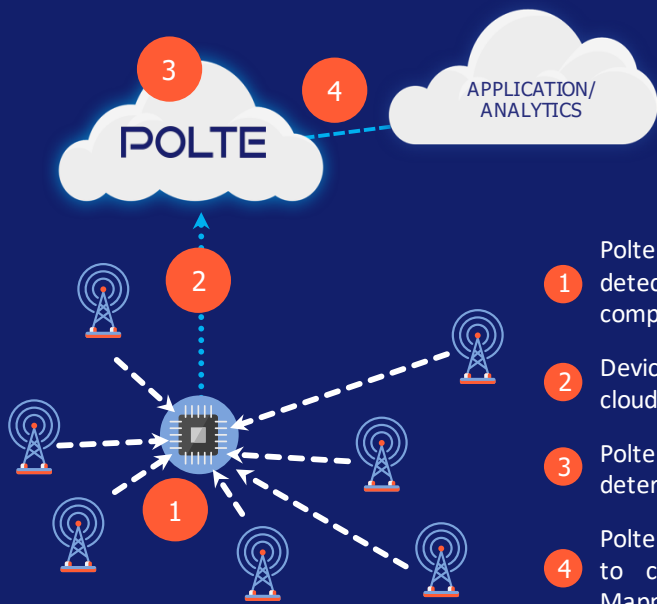
Serviceable Addressable Market by 2023

1.4B
Devices

40% of 4G & 5G IoT Devices
Require Accurate Positioning
(Chipset partner forecasts)

\$7B

Location Revenue for 4G & 5G
IoT at \$5 per device for GPS/
Wi-Fi HW



- 1 Polte Location API-enabled IoT cloud location sensor device detects 4G / 5G signals (including Cat-1, Cat-M, NB-IoT) and compresses data into small data packet
- 2 Device sends data packet to the Polte Location Engine; secure cloud architecture supports flexible deployment and integrations
- 3 Polte Location Engine utilizes proprietary algorithms to accurately determine location
- 4 Polte Location Engine securely sends location information via API to customer's applications/analytics and/or Polte Location Mapping app

Leadership Team



Ed Chao
CEO



Russ Markhovsky
President & Founder



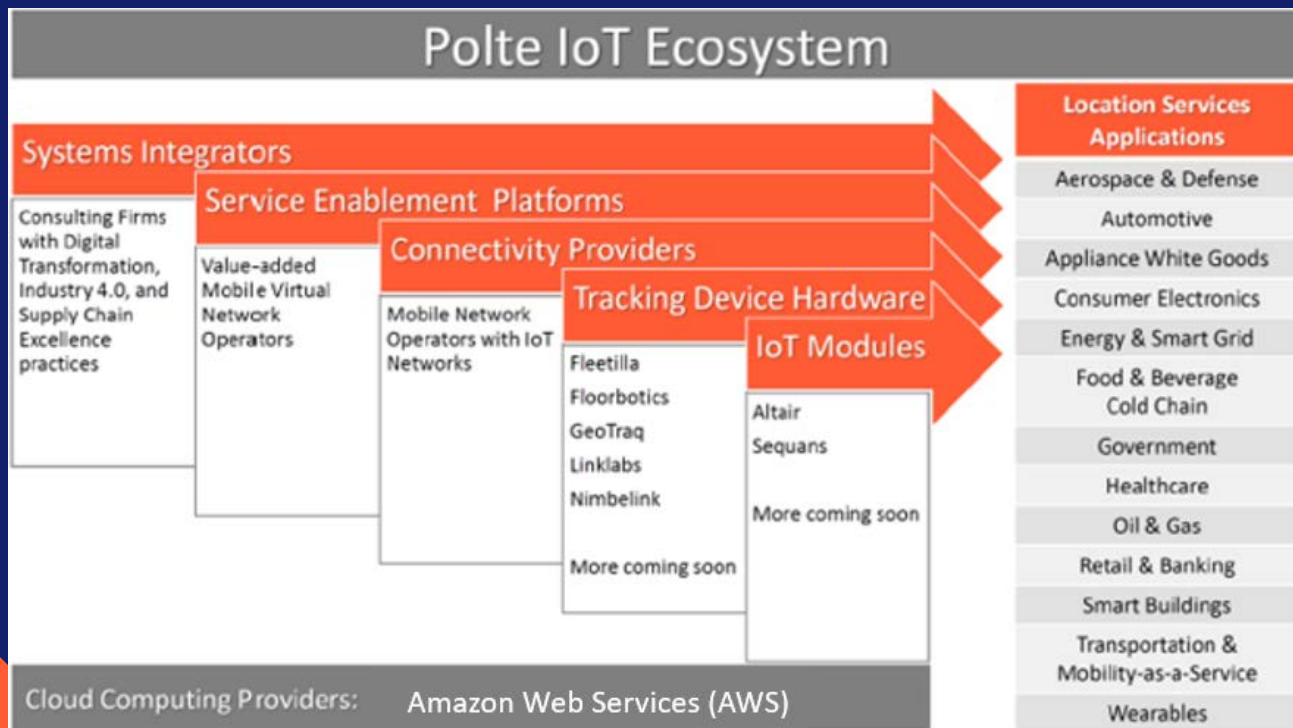
Dan Rudich
SVP Business
Development



Andrew Wolverton
CTO



JC Elliott
Director of Marketing



Solution available in AWS Marketplace.