

Irepa International

(Trusted Industrial IoT Consultant & System Integrator –
Driving Data Driven Business Outcomes)

CEO/Co-Founder: Sanjiv S. Gupta, BSEE/MSEE

Certifications:

LA Metro SBE/DBE: 20908497

California Public Utilities Commission MBE: 20908497

California Dept. of General Services Micro SBE:
2016136

California Unified Certification program DBE:
20908497

Previous Experience:

- 20 years @ Intel Corp. growing their global graphics, wireless (WIFI, WIMAX, LTE, PTP, etc.) PC client, and IoT business, etc.
- 7 years at Texas Instruments as a Design Engineer of Microwave frequency active and passive phase-array radar modules for the US Dept. of Defense customers.
- Product and Customer Applications Engineering @ Brooktree Corporation and Cirrus Logic for the integration of discrete PC video decoder/encoders and PC graphics w/ shared memory products into channel customers and OEM platforms.
- > 20 years of experience managing teams and products, and taking projects to completion per schedule without any compromise in quality.
- > 20 years in solving complex engineering problems pertaining to transceiver design, computing, wireless connectivity, and interoperability, and cybersecurity.



Irepa International LLC

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DUNS#: 080972885

CAGE Code: 8E1Z8

NAICS Codes: 541511, 518210, 425110,
and 425120





We facilitate a meaningful and sustainable world by bringing optimal efficiency, safety and experience to transportation, traffic, cyclists, and pedestrians.

— Irepa International LLC

About Us

Irepa International, LLC was founded in November 2017 by Mr. Sanjiv Gupta and his wife Izabela Repczynska. The company is a trusted IoT consultancy, system integrator & value-added re-seller of computers & peripherals as well as IoT products, solutions, & services to the Federal, State, County & City Governments, and private sector. Their market-ready IoT products, solutions, and services help optimize operational efficiencies & productivity for most industry verticals and digitally transform them into intelligent autonomous automated operations.

Who and Why

Horizontal Focus

- Smart Construction Automation
- Smart Building Automation including Air, Water, Thermal, Light Quality
- Smart IT/Communications
- Smart Assets, Logistics, Document, Workflow management
- Smart Physical Security & Surveillance and Industrial Cybersecurity
- Smart Microgrids (H2, Solar, Battery Storage)
- Smart Water/Wastewater Management

Vertical Focus

- Intelligent Transportation Systems (Transportation & Traffic)
 - Smart Tunnels/Bridges
 - Smart Roadways/Highways
 - Smart Seaports/Maritime
 - Smart Rail
 - Smart Transit
 - Smart Aviation
 - Smart Public Safety
 - Smart Environmental Systems

Targeted Business Outcomes

- Optimize operational efficiency and productivity for our customers
- Cost reduction and cost control
- Optimize privacy, cybersecurity, transparency, regulatory compliance and sustainability
- Generate new revenue sources and business models
- Health and Safety

Partners

We are partnered with key IIoT HW and SW Solution Providers (e.g. FNT Software, Zotera, Mission Secure, Hot Purple Energy, Sensor Comm, etc.) in order to take on medium to large CAPEX

Core Competencies: What and How

Energy Consulting:

- Energy Audits via Tools/Walkthroughs
- ROA (Return on Adoption) Analysis for implementing Solar, Hydrogen, Battery Storage, IIoT, and Industrial Cybersecurity

ITS Integration Services:

- Using AI and Analytics on large data sets, streamed in real-time for rail, roadways, transit, etc.
- IIoT sensors and systems embedded in assets and within critical rail, roadway, transit operations, etc. to provide real time information
- Extended network infrastructure for transit
- PoS systems for transit, etc.
- Dig signage with route info, arrival times, etc.
- Real time transit diagnostics and alerts
- Seaport interconnected infrastructure
- Safe transportation of goods
- Comms between ships, trucks, rail, cranes, and port authority
- GPS cargo tracking, handling speed & capacity
- Video surveillance & asset protection
- Remote operations and management
- Predictive and Prescriptive maintenance, Safety and regulatory compliance
- Energy management systems
- Emergency notification and deployment
- NOX emissions monitoring and fleet management and predictive and prescriptive maintenance
- Automated tolling, roadway enforcement, etc.

Our Systems provide data-driven decision making actuation and insights which allows for predictive and prescriptive maintenance for all simple to complex assets, processes and systems