



# JPS Engineering

## Contact Information

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## Website

www.jpsed.com

## NAICS Code

541715 Research & Development  
541330 Engineering Services  
541511 Custom Software  
541512 Computer System Design

## PSC Code

7371  
8711  
AJ43  
AJ46  
R408  
R413

## Unique Entity ID/CAGE CODE

GJANL4DVMV86/ 5SZK5

## California Corporation

3466090

## Certifications

- Certified SBA 8(a) Company
- Hispanic Minority Owned Small Business
- Small Disadvantaged Business
- Licensed Professional Engineers

## Patents & IP

- Patented Cybersecurity Solution for IoTs
- Semiconductor Laser Controls
- Instrumentation

# CAPABILITIES STATEMENT

## Company Overview

JPS Engineering Corp. (JPS) is a **Research & Development Solutions Company** certified in the SBA 8(a) program and located in San Diego, CA. Our mission is to provide our clients with exceptional engineering solutions. Our customers include Governmental agencies, Prime Defense contractors, Industrial and Commercial industries, & Medical/Pharmaceutical firms. JPS is a known innovator that has done extensive research, development, re-engineering, and testing of new products (**Technology Readiness Level process, 1 to 9**), resulting in multiple awarded patents. Our current multidiscipline engineering team includes Licensed Professional Engineers who deliver results on-time, on schedule and on budget.

## Our Expertise in R&D Services

- Encrypted Wireless communications software (4G, 5G, Wi-Fi, BT)
- Wireless communications hardware
- Cybersecurity software design for Internet of Things (IoT)
- Electromechanical systems design & Integration
- Expertise in crafting patent applications (over 100 issued and pending)
- Program Management & Technical Support
- GPS Tracking Systems
- Server software: Web API, Database, User Interface
- Metrology and Calibration
- Analog & Digital Designs & Instrument Design
- Test and Evaluation
- Computer Design
- Electromagnetic Compatibility (EMC), Electrostatic Discharge (ESD)
- Manufacturing Engineering and Prototyping

## Selected Past Projects

Project Name	Client	Scope
Satellite Tracking System	U.S. Government	Internet of Things (IoT) System used to track worldwide military assets for USTRANSCOM. Solution comprised of wireless hardware, encrypted software link, server database and user interface.
Security System to protect critical shipments	OpticalLock Inc.	Internet of Things (IoT) System for worldwide security and GPS tracking location of remote assets. Uses sensors, wireless channels, Cloud server software. Guards against counterfeit parts, theft, and smuggling. Delivers peace of mind.
Engineering Data Management	M7 Aerospace	Update and maintenance of databases for aircraft.
Secured goods shipment envelope	OpticalShield LLC	Protects high-value goods and pharmaceuticals from counterfeiting and temperature extremes.
Medical Instrument for Pathology examination	Aperio Technologies	Hardware re-configurations to ensure compliance with regulatory certifications.
Medical unit for patient therapy	Subject to confidentiality	Designed product hardware, software, and electromechanical control system. Ensured regulatory compliance and approvals.