Architects and Makers
Focus on your work. We’ll handle the rest.
Clusters deployed worldwide

Petabytes of high performance, dedicated storage delivered to date

Years of designing and supporting custom-built computing solutions

Chief concern: what does success look like to you?

Customer-Focused
Experience and expertise

EARTH SCIENCES / ENERGY, OIL & GAS
ENGINEERING & MANUFACTURING
FEDERAL GOVERNMENT
FINANCIAL SERVICES
HIGHER EDUCATION
LIFE SCIENCES & HEALTHCARE
Supporting Game Changers
Without playing any games

over 500 active clients
Architects and Makers

Focused on your success

Our proven three-step consultative process ensures your successful, high performance deployment that is both on time and on budget.
DISCOVERY

Critical to your success is our consultative approach to understanding your goals and required deliverables. Our first step is listening and learning about your data capture, computation, and visualization needs.

INTEGRATED SOLUTIONS

Utilizing the latest and greatest in technology, PSSC Labs interprets what we learn from our Discovery process to custom manufacture the right computing platform. Our engineers work closely with you to best optimize the solution for value-added performance and reduced time to production.

DELIVERED EXPERTISE

Once your system has been delivered, our support engineers are available to help ensure your success. PSSC Labs’ Single Point of Contact customer care guarantees that you will receive timely access to knowledgeable personnel that stay with you until any support issue is resolved.

Contact a Solutions Architect today. (949) 380-7288
Designed and built for you
Across your data's workflow

INTEGRATING EVERYTHING
When turn-key is actually turn-key.

Custom architected and built to specification in California
FULLY configured and installed for maximum control and performance

Operation and application software installation and testing

“Rack ‘n Roll” integration for simple deployment:

- **Hardware Integration**
  - Servers, Storage, Networking, Infrastructure, Cabling

- **System Settings**
  - BIOS settings, Network settings, RAID settings

- **All Software**
  - Operation System, Applications, File Systems
CUSTOMER SUPPORT
Knowledgeable and accessible

CONTINUITY
Upon delivery and installation of your new PSSC Labs system, our support team is in place to ensure your success. We provide confidence and control by making sure the technician who installed and tested your system is assigned to your support team.

SINGLE POINT OF CONTACT PROMISE
Our commitment to you is that no matter what you need, you’ll always know who to contact. Our support engineers will know you on a first-name basis and respond promptly and knowledgeably to any and all support tickets.

APPLICATION EXPERTISE
It all begins with your work

CERTIFIED COMPATIBILITY
We’ve worked with thousands of companies across a wide variety of industries. In that time, we’ve taken the opportunity to certify our systems compatible with hundreds of open source and commercial applications.

BROAD KNOWLEDGE BASE
Key industries we serve include: Earth Sciences / Energy, Oil & Gas; Engineering & Manufacturing; Federal Government; Financial Services; Higher Education; and Life Sciences & Healthcare.

PSSCLABS.COM
Contact a Solutions Architect today. (949) 380-7288
More than the right parts
The right results

Our family of high performance servers and truly turn-key cluster solutions offer the industry’s best TECHNOLOGY backed by the industry’s most KNOWLEDGEABLE engineers.

Our solution customized with your fingerprint delivers unique success for your organization.
Our High Performance Servers and Clusters ➤
PowerServe Uniti
AI/HPC Server

USE CASES
- Artificial Intelligence
- Machine Learning
- Parallel and Batch Processing
- Containers (Kubernetes)
- Virtualization (VMWare®)

TECH SPECS
- Intel® and AMD® Processors
- NVIDIA®, Intel®, and AMD® Accelerators
- Supports up to 10 GPU / FPGA
- 1.0 TB+ High Performance Memory Capacity
- Intel® Optane Ready
- Up to 200 Gbps Network Connectivity
- Compatible with TensorFlow, CUDA®, Kubernetes
CloudOOP
Big Data Server

USE CASES
Big Data
Data Warehouse
Tiered Storage
Parallel File Systems (HDFS, BeeGFS, Ceph)

TECH SPECS
Up to 144 TB Capacity
Supports NVMe, SSD, and Rotational Media
80 Processor Core Capable
1.0 TB+ High Performance Memory Capacity
Up to 200 Gbps Network Connectivity
Cloudera® Certified Platform
CloudSeek
Database Server

USE CASES
- SQL and NoSQL Database
- Edge Computing
- Extremely High IOPs
- Metadata Storage

TECH SPECS
- Up to 184 TB Capacity
- Supports NVMe and SSD Media
- 80 Processor Core Capable
- 1.0 TB+ High Performance Memory Capacity
- Intel® Optane Ready
- Up to 200 Gbps Network Connectivity
SureStore
NAS Server

USE CASES
NAS / SAN / DAS
NIFI Data Flow
Bulk Storage
Parallel File Systems (HDFS, BeeGFS, Ceph)

TECH SPECS
Up to 384 TB Capacity
Supports SSD and Rotational Media
96 Processor Core Capable
1.0 TB+ High Performance Memory Capacity
Up to 200 Gbps Network Connectivity
NFS, ZFS, iSCSI Compatible

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PowerWulf ZXR1+
HPC Cluster

**USE CASES**
- Enterprise HPC Environment
- Batch and Parallel Computing
- Workgroup / Departmental Cluster
- Hybrid / On-premise Cloud

**TECH SPECS**
- Scales to Thousands of Processor Cores
- NVIDIA®, Intel®, and AMD® Accelerators
- High Capacity System Memory
- Omnipath® and Mellanox® Network Connectivity
- Operation and Management Software Included
- Compatible with Thousands of Apps

CAPTURE & STORE
COMPUTATION
VISUALIZATION
CloudOOP Rax
Big Data Cluster

USE CASES
Turn-key Big Data Environment
Enterprise Data Warehouse
Internet of Things
Machine Learning

TECH SPECS
Scales From 100 TBs to 100 PBs
Supports Tiered Storage
Redundant Enterprise Features
Up to 200 Gbps Network Connectivity
Operation and Management Software Included
Cloudera® Certified Platform

CAPTURE & STORE
COMPUTATION
VISUALIZATION

PSSCLABS.com Contact a Solutions Architect today. (949) 380-7288
Parallux
HPC Storage Cluster

USE CASES
Parallel File Systems (BeeGFS, Ceph)
IO Bound Data Requirements
Scale Out Storage

TECH SPECS
Up to 4 PByte per Rack
10+ GB/sec File Transfer Rates
Redundant Enterprise Features
Omnipath® and Mellanox® Network Connectivity
Operation and Management Software Included
Our Enterprise-Ready Solutions >
Real-time streaming analytics platform

*Built for performance. Built to scale.*

Directing ever increasing amounts of data is the new IT challenge. CyberRax Data Flow Pipeline offers all the functionality at an incredible price.

**With CyberRax Data Flow Pipeline you have the ability to:**

- Process several million transactions per second
- Identify key patterns
- Compare against machine learning modes
- Offer predictive analytics
Highly scalable cybersecurity solutions
Faster time to production. Faster time to value.

Cybersecurity has never been of greater importance than it is now. CyberRax Cybersecurity is the perfect appliance for any SOC.

Open source, turn-key, and cost effective – designed for you

Equipped for:

User and entity behavior analytics (UEBA)
Threat hunting to prevent breaches and compromised data
Historical data visualization

CyberRax is the first open source, scalable, turn-key, cost effective cybersecurity appliance.
Truly turn-key range safety analysis solutions

Identify and prepare for risks.

We understand that your work is critical and that lives really are at stake. Our PowerWulf ACTA Cluster is certified compatible with ACTA’s Range Risk Analysis Tool (RRAT).

PowerWulf ACTA Clusters are supporting operations at these organizations:
Accurate weather predictions with leading-edge technology

Faster processing, accurate predictions, lower cost.

Weather models require specialized computing and storage platforms. PowerWulf ZXR1+ Clusters are engineered for massive parallel processing combined with low latency network capabilities.

Satisfied PowerWulf ZXR1+ Cluster users include:
Powerful genomics compute and storage

Your analytics without limitation.

Your work helps our world understand and solve global issues, and we want to make sure you are never challenged by computational roadblocks. Our solutions have assisted organizations like yours across a wide array of Genomics applications, including:

- Cellular and Molecular Biology
- Complex Disease Genomics
- Genomics in Drug Development
- Microbial Genomics
- Oncology

Contact us today so we can learn more about your vision and what you’re working to achieve.
We’re proud to support these partners

From entrepreneur to enterprise, PSSC Labs delivers your solution.
What does success look like to you?