



R·E·M·T·C·S

**EMPOWERING THE WORLD THROUGH CYBERSECURITY,
SECURE CLEAN ENERGY & IT INTELLIGENCE**

Copyright REM Technology Consulting Services 2019

About the Company

REMTCS, Inc. is a leading provider of technology products and services across a broad spectrum of industry verticals.

REMTCS was founded in 1993 by Richard Malinowski, and includes a team of cybersecurity, software development, and energy sector veterans who share a passion for delivering high quality and cost-effective solutions to our clients.

For over 25 years REMTCS has been implementing successful projects ranging from global infrastructure upgrades, implementing operational risk management systems, to designing and integrating campus scale energy resiliency solutions. Our global experience includes:

- The design and implementation of 58 trading floors worldwide.
- Three of the largest datacenters in the world.
- Comprehensive cybersecurity programs for some of the most prominent commercial and defense companies in the market.

What We Do

Our success continues today with our core areas of focus:

- ▶ Cybersecurity products leveraging artificial intelligence and behavioral analysis.
- ▶ Design and implementation of grid connected and non-wires secure microgrid solutions with integrated cybersecurity and EMP protection.
- ▶ Advisory services in the areas of cybersecurity, compliance, management, and operational effectiveness.
- ▶ Quantitative Analytic Modeling for Financial Services.



Cybersecurity

Distributed Cloud Architectures and on-demand IT have created additional layer of complexity in cybersecurity for today's leaders. Companies are fumbling with up to 45 diverse security systems to coordinate and manage. REMTCS has the solution.

REMTCS Organizational Considerations to Mitigate Risk

Secure Configuration

Engineered to establish baseline technology integration/processes to reduce risk of compromise.

Threat Intrusion and Malware Prevention:

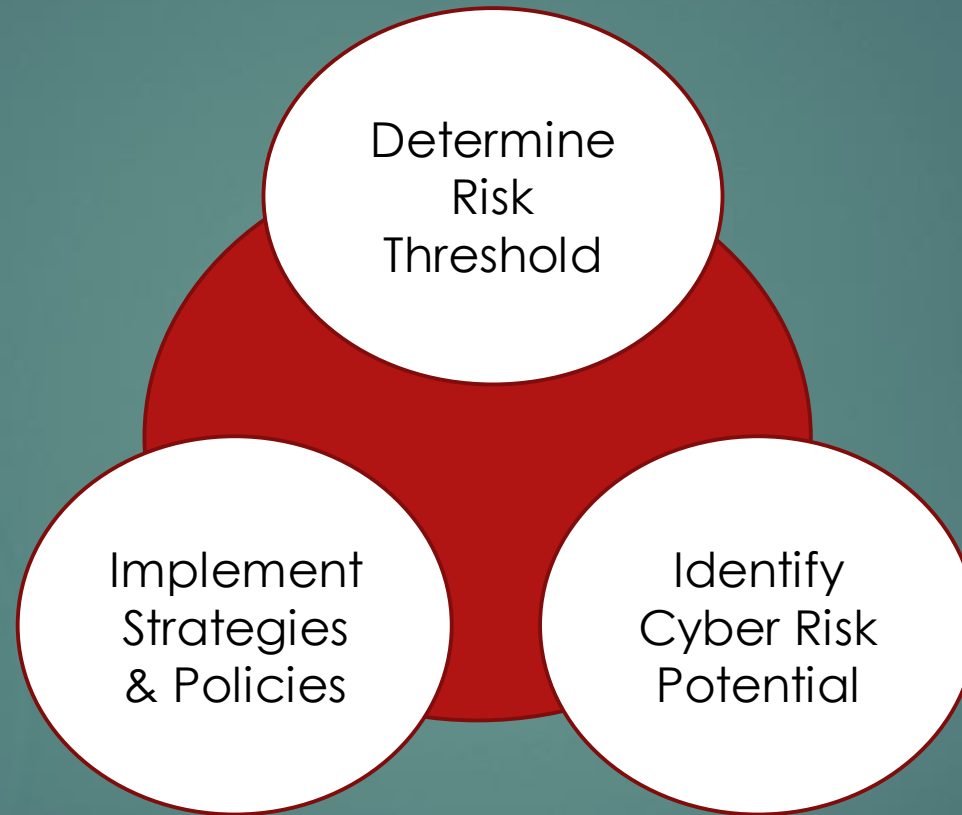
Implementation of layered cybersecurity approach along with correlating policies to protect against malicious code or content.

Network Protection:

Ensuring your network is not exposed to attackers, including access from partners and customers, onsite or remote locations.

Custom VPN for Mobile and Remote Access

Combination of user training, secured connections, and threat protection software.



Continuous Proactive Monitoring:

Autonomously detect attacks and appropriately respond with countermeasures in real-time. Ensures adherence with policies, and legal/regulatory compliance.

Managing Users Access and Privileges:

Utilization of biometrics for identification and authentication with defined user privileges and procedures, Limit the risk of compromised privileged credentials.

Awareness, Advisory, Training:

Identify cyber vulnerabilities, including user exploitation. Proper technology testing and user training with policies to mitigate risk.

PASS Cybersecurity System

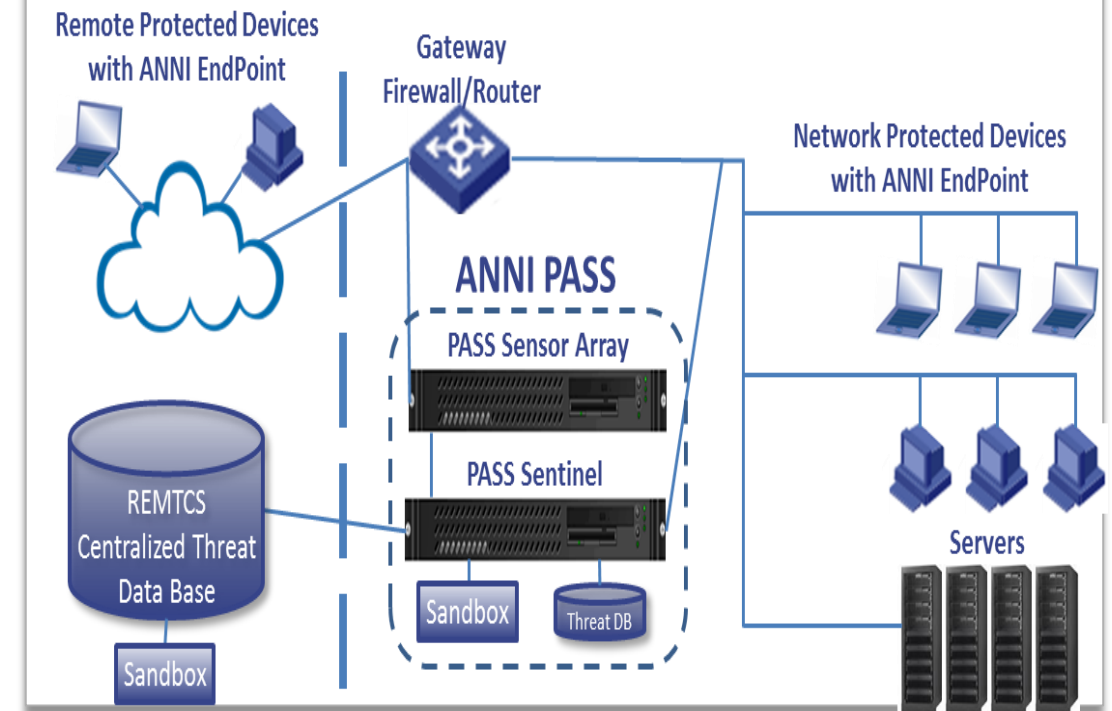
A Layered Approach to Protecting Organizations and People from Cyber Threats

The PASS solution operates as an advanced Unified Threat Management (UTM) system in order to offer complete protection, negating the need to source multiple vendors, and ensuring networks are not exposed while also offering substantial cost benefits.

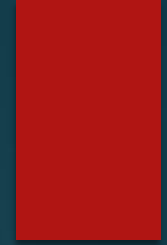
PASS combines the continuous monitoring and reporting benefits of an intrusion detection system (IDS), with the response and control capabilities to take actions against potentially malicious data packets of an intrusion prevention system (IPS). The finely tuned IPS configuration allows legitimate traffic to traverse the network to reduce false positives.

Patented, Fully Autonomous Secure End-to-End Purpose Built Hardware Appliance and End-Point System

Proactively Identifies & Defends BEFORE Networks and Systems are Compromised



Patented fully autonomous behavioral analysis utilizing a series of proprietary artificial intelligence algorithms



Predictive/Proactive Prevention

Enables near real-time, proactive blocking and provide rich and actionable intelligence to better understand the nature of attacks for continuous improvement of the security posture. Continuous real-time learning of malware and variants by design and method.



Containment

Near real-time validation of threats coupled with the ability to rapidly stop the impact of an attack on compromised systems. Automated quarantine and reverse engineering of found malware.



PROACTIVE

Discovers, reverse engineers/creates a signature with 5 to 12+ variants that hunts down and destroys malware across the entire enterprise.

FULLY AUTONOMOUS

Deep Inspection of every packet of data traversing the network and making informed decisions without the need for human intervention.

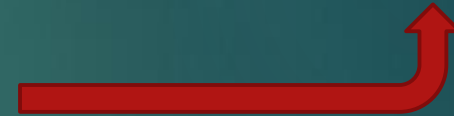
NEAR REAL-TIME

Continuous monitoring and execution 24 X 7 X 365 to make near-real time decisions.



Detection

Today's advanced threats require an architecture that is aware of the multi-stage and multi-vector nature of attacks. Our PASS system detects known and unknown threats in near real-time and can scale with the demands of the network.

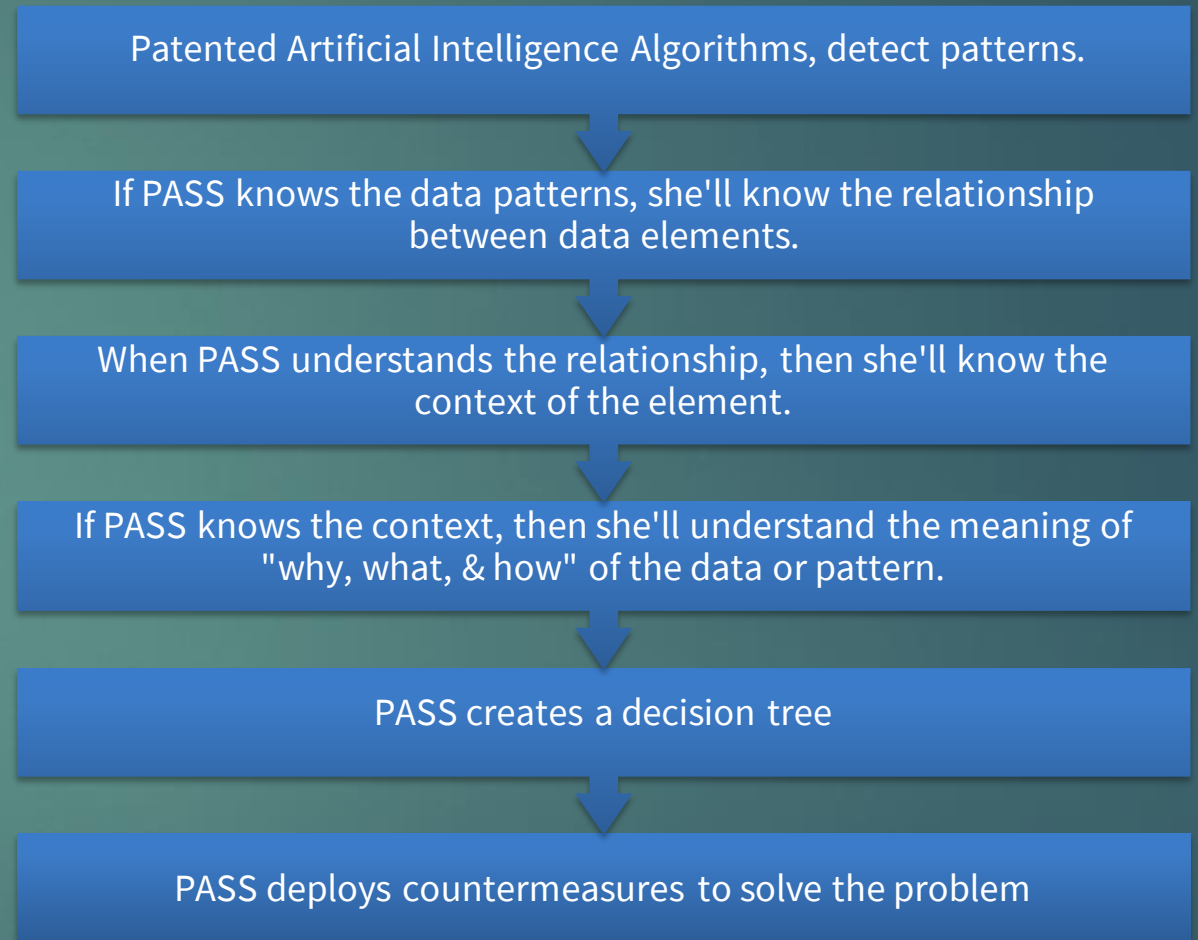


Remediation

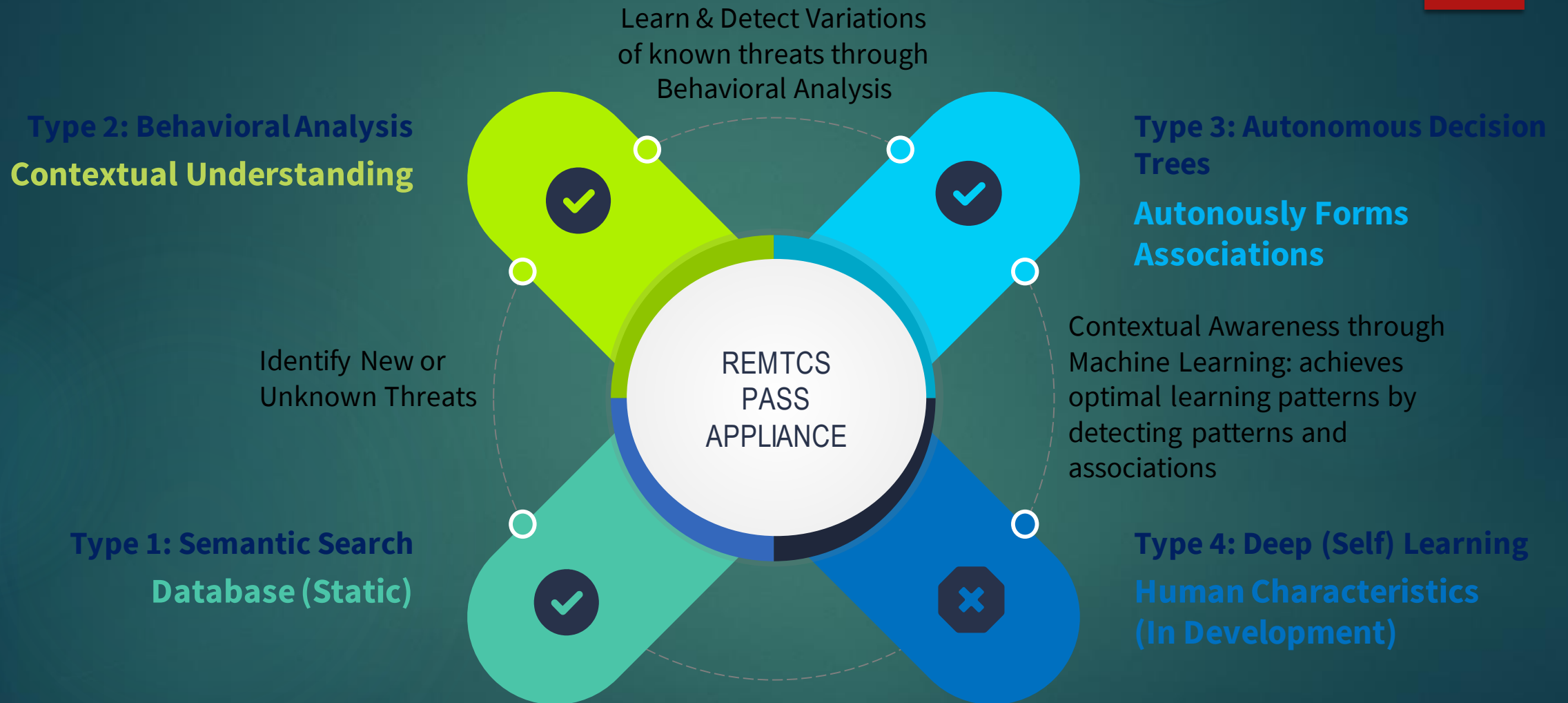
Automated deployment of network and endpoint countermeasures to mitigate spread and damage of found malware. Near real-time validation of threats coupled with the ability to rapidly stop the impact of an attack on compromised systems.

HOW IT WORKS...

- ▶ Each end-point/client utilizes the endpoint anti-malware application installed containing the latest threat intelligence and counter-measures which scans and destroys malware.
- ▶ If malware is detected, PASS captures the IP address of requesting client and contains the malware, decompiles, scrubs, inoculates and destroys the malware across all network elements including the requesting client machine.
- ▶ Additionally, new malware that is detected, new countermeasures are pushed out to network elements for proactive remediation.
- ▶ All in Near Real-Time



Patented Artificial Intelligence (AI) Capabilities



System Features

- ▶ Built on a High-Performance Computing Appliance
- ▶ Driven by Artificial Intelligence & Behavioral Analytics
- ▶ True End-to-End System that incorporates Internal Threat Protection
- ▶ Compliments existing security systems and platforms:
 - ▶ Integrates with existing firewalls to automatically deploy blocking rules.
 - ▶ Integrates with MS Active Directory to contain compromised accounts.
 - ▶ Additional countermeasures.
 - ▶ Deep inspection of all packets traversing the network.



Benefits

- ▶ Reduce TTD (Time To Detect) from 6 months to 2-15 minutes
- ▶ Reduce TTR (Time To Remediate) from 12 months to 2-15 minutes
- ▶ Detects new forms of malware/Zero Day
- ▶ Predicts potential threats and evolving threats
- ▶ Leverages your existing security investments and resolves 95%+ False Positives day one.
- ▶ Gives your security teams and incident responders time to focus on what's critical by automatically and autonomously identifying, capturing, containing and destroying malware attacks. Saves 1,000's of man-hours per year.
- ▶ In EVERY instance that PASS has been deployed, she has found undetected malware that had infected systems for months.

Digital Rights Management

REMTCS Digital Rights Management (DRM)

Protection and Controlled Distribution of Commercialized Digital Video Products

REMTCS DRM Protects Against Piracy and Copyright Infringement

- ▶ REMTCS DRM protects files including, but not limited to, video, audiobook, and PDF.
- ▶ Platform Agnostic (Files Work on any Device w/o Software)
- ▶ Videos are Created Uniquely for each Customer Preventing Re-Distribution
- ▶ Files are Locked to a Single Device
- ▶ Files are Encrypted and Signed with a Quantum Resilient Signature During Transit and Decrypted when Payment is Authorized
- ▶ Files are Decrypted a Single Time vs. Constantly with our Competitors
- ▶ Every Download and View is Logged Presenting an Opportunity for New Revenue Recognition Models

Secure Energy Solutions

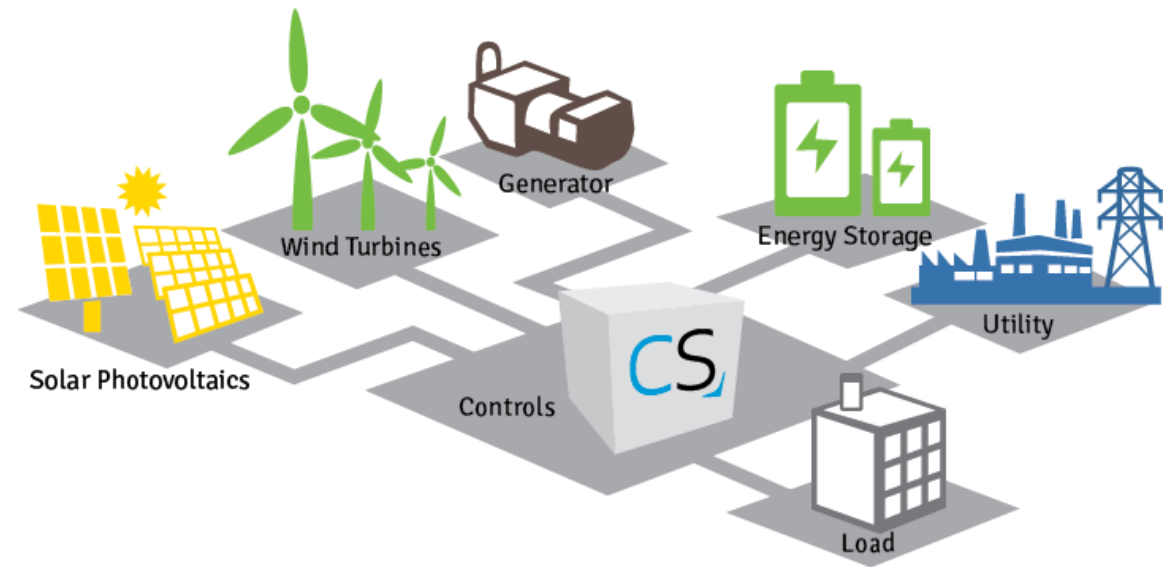
REMTCS Energy Solutions

REMTCS has decades of experience in designing and integrating campus scale energy resiliency solutions. Our expert engineers will review client's requirements and goals and develop custom solutions that integrate a variety of energy efficient technologies including renewable energy sources and battery energy storage systems.

Benefits Include:

- ▶ Decreased reliance on utility power.
- ▶ Providing instantaneous back-up power without data loss.
- ▶ Resolves electrical spikes, harmonics, and synchronization issues.
- ▶ Significant cost-savings by reducing utility demand charges and supplying stored power during peak charge times. Typical cost savings range from 30%-50%.

R·E·M·T·C·S



Customizable and scalable battery storage for varying applications across multiple segments including commercial, industrial, utility energy storage and micro grid operations.

ENERGY STORAGE SYSTEMS (ESS)

- ▶ REMTCS can design an energy storage system to fit the needs and requirements for varying projects.
- ▶ Using high performance inverters as the building blocks of a system, we can integrate several battery technologies including, but not limited to lithium ion, large format lithium iron, sealed lead acid, and hybrid batteries for smart grid and microgrid applications.

ADVANCED CONTROLLER AND ENERGY MANAGEMENT (EMOS)

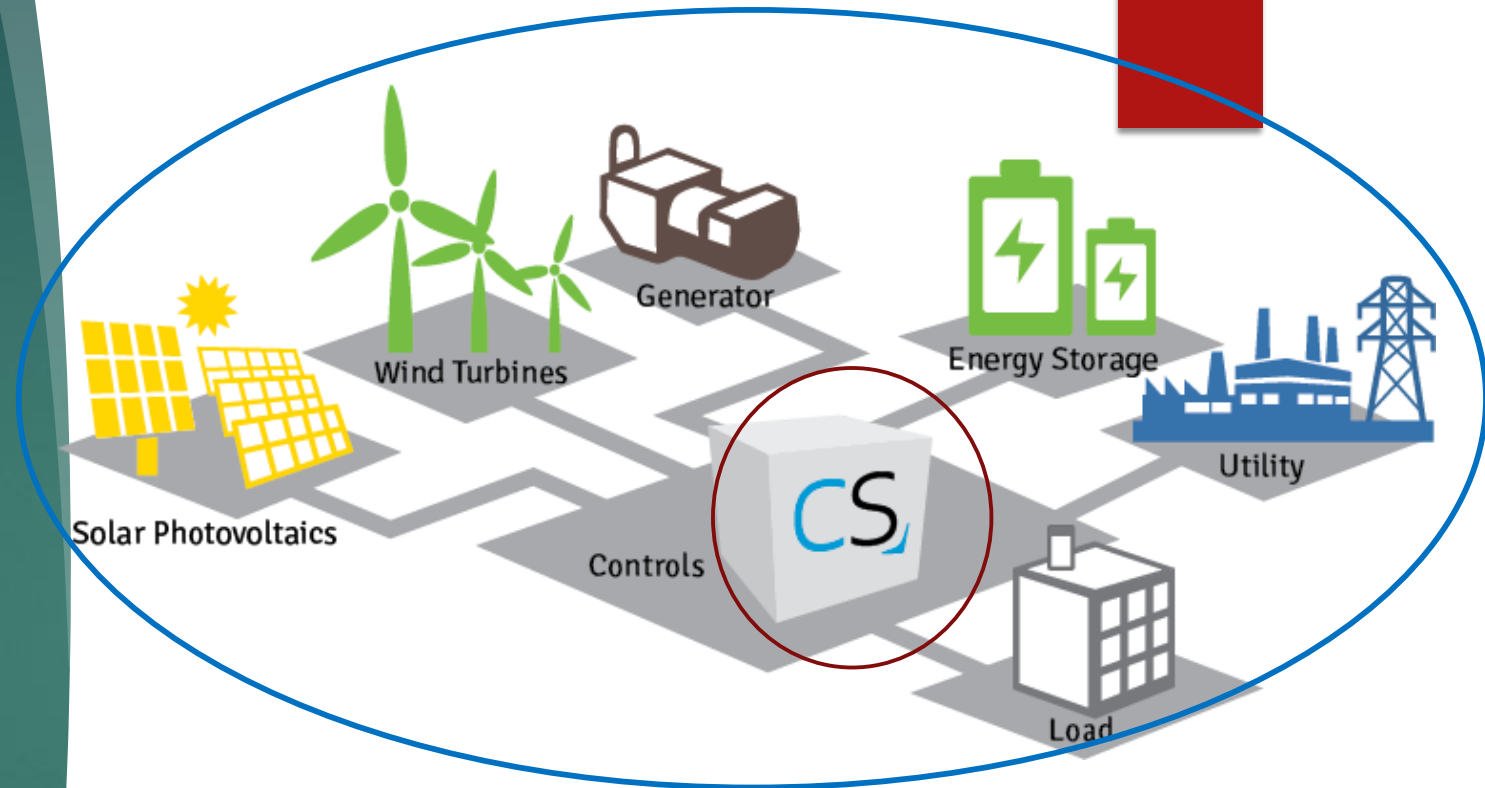
- ▶ Our EMOS is a high performing and reliable PC-based hardware and software solution. With real-time, web-based monitoring and control, administrators have access to critical operating data of the ESS and microgrid.
- ▶ The EMOS allows for scalability and can aggregate data from multiple stations of an installation offering a single point of control to maximize energy efficiency and reduce utility costs.

Features incorporated in our module PowerGrid design:

- ▶ High redundancy through independent battery building blocks (all systems are masters – i.e. voltage forming)
- ▶ Scalable – easily parallelable battery systems without requirement for Master-Slave configuration
- ▶ Option to add PV, Geothermal, Closed Loop Systems, directly to the DC-link (DC coupled PV) for PV self-consumption or even PV export
- ▶ Option to add backup generators for extended backup durations
- ▶ Option to provide demand reduction & peak shaving ancillary services
- ▶ Fully microgrid capable – allows adding more distributed energy sources to scale to client needs for future considerations
- ▶ Optional outdoors package - pad installation with thermally managed enclosures

REMTCS Secure Energy Solutions

- ▶ REMTCS Provides Solutions to Protect Investments in Microgrid Technologies.
 - ▶ PASS system tailored to grid applications for the ultimate in control system cybersecurity
 - ▶ Military grade VPN system that connects grid, components, and SCADA
 - ▶ Custom designed EMP protection from solar storms, spikes, and man-made events



PASS Network Protection

R·E·M·T·C·S

Advisory Services

REMTCS Government Contractor Advisory Services

Assisting businesses of all sizes with establishing or revising security and risk management processes.

NISPOM

- Assessment/Audit of NISPOM (general) and/or NIST 800-53r4 (InfoSec) controls
- Development and integration of a FOCI mitigation program
- Advisory services for Facility Security Officers (FSO)s in navigating DSS and NISPOM requirements

DFARS

- Assessment/Audit of NIST 800-171 Information Security Controls
- Development of DFARS compliant System Security Plans (SSP)
- Implementation of InfoSec Controls on Contractor Systems

ITAR/EAR

- Assessment / Development of Import/Export Control Program
- Development of Technology Control Plans (TCP)
- Development of Electronic Communication Plans (ECP)

R·E·M·T·C·S

THANK YOU

Contact Us!

www.remtcs.com

For more information, please contact our Sales Team at:

Email: sales@remtcs.com

Phone: 877-381-9696 Option 2