



Company Profile

Our Expertise, Your Advantage

Innovative Solutions for Complex Challenges

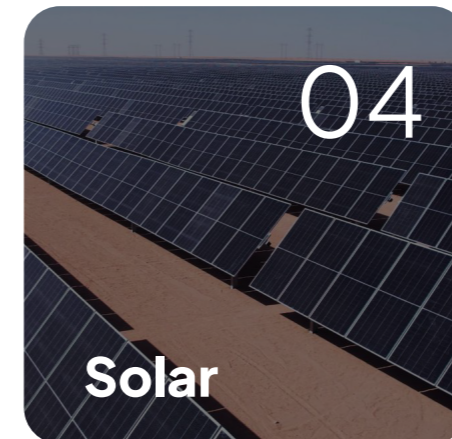
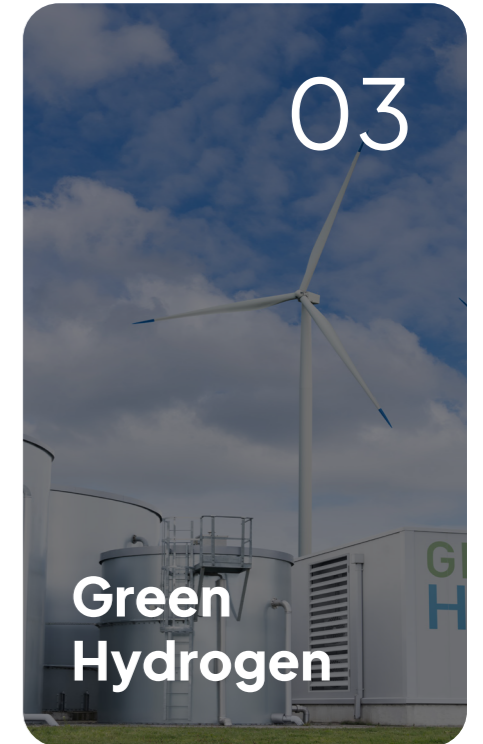
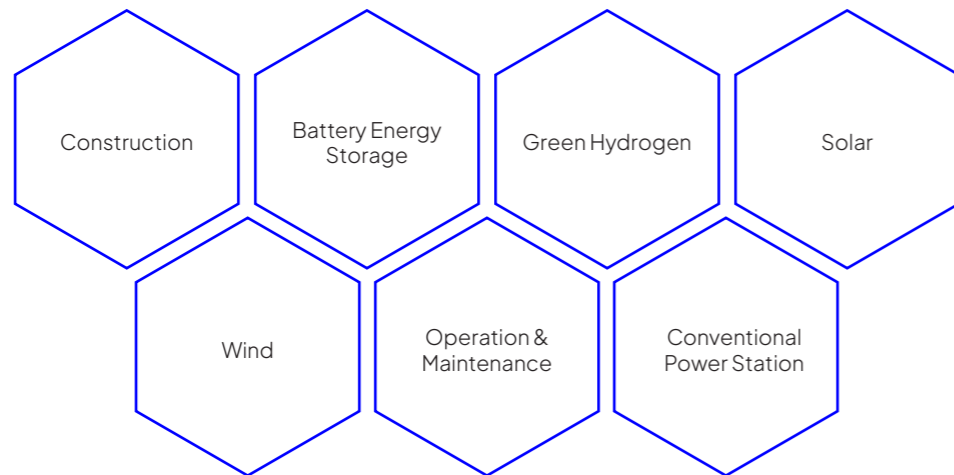


CSS
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At **CSS**, we optimize construction projects, renewable energy facilities, and power stations through specialized collaborative QHSE excellence. Our expertise spans utility-scale Solar Parks, Wind Farms, and Battery Energy Storage systems, conventional power stations, and major construction developments with our values-driven, highly skilled expertise in QHSE management and environmental compliance.

THE SECTORS WE SUPPORT





Company Profile

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Company Profile

Overview

In today's world, renewable energy projects and sustainable construction practices are at the forefront of combating climate change and ensuring energy security. The global transition to clean energy sources, coupled with increasing infrastructure development, demands strict safety standards and environmental compliance, especially as projects grow in scale and complexity. We provide comprehensive QHSE solutions tailored to the unique challenges of construction sites, power generation facilities, and renewable energy installations. Our services address critical areas including construction safety, electrical safety, high-voltage environments, battery storage systems, and environmental compliance specific to construction and power infrastructure.

Established in 2024, our team brings deep expertise in environmental and social impact assessment for major construction and utility-scale renewable projects. We specialize in developing comprehensive safety management systems for construction sites and power plants, including protocols for high-voltage installations, battery energy storage systems, and renewable energy facilities. Our capabilities extend to solar PV and wind turbine installation safety standards,

grid interconnection requirements, and environmental monitoring for both construction and power generation facilities. This integrated approach ensures all aspects of project safety and environmental compliance are addressed systematically. The teams' collective experience covers management of mega-scale projects across the Middle East.

Our experts portfolio includes collaborations with international lenders across MENA's major construction and renewable energy initiatives, such as IFC (International Finance Corporation), JICA (Japan International Cooperation Agency), FMO Entrepreneurial Development Bank, AIIB (Asian Infrastructure Investment Bank), AFDB (African Development Bank), and Ramboll.



Company Profile

Overview

THIS ENSURES EXPERTISE IN COMPLIANCE WITH:

Local environmental and labor laws (Egyptian Environmental Affairs Agency requirements, Labor Law)

National health and safety regulations (Occupational Safety and Health Administration requirements)

Construction and power sector-specific ISO certifications (14001, 45001, 9001)

IFC Performance Standards for construction and renewable energy projects

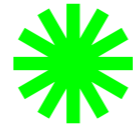
World Bank EHS Guidelines for Construction, Wind Energy, Solar Energy, and Thermal Power

Regional building codes and grid requirements

OUR APPROACH

Our team maintains deep expertise in construction and power sector-specific ISO certifications, delivering value through integrated QHSE solutions. We take a proactive approach to protecting employees while improving operational productivity, embedding safety into organizational culture through comprehensive risk assessment, incident investigation, and sustainability practices. Our consultants focus on developing value-driven management systems, implementing robust policies and governance, and enhancing risk management across construction sites and power facilities. Through dedicated QHSE leadership development and clear performance metrics, CSS helps organizations achieve both regulatory compliance and operational excellence. We maintain a clear vision of success: creating safer construction environments, more efficient power operations, and sustainable business growth through measurable QHSE achievements

Business- Statements



Value Adding - Collaboration - Integrity - Excellence - Inclusion



VISION

Our vision is to be the global leader in creating safer, healthier workplaces through innovative solutions and uncompromising quality. We empower organizations to prioritize employee well-being and environmental sustainability, setting the standard for excellence in health, safety, and security consulting.

MISSION

Our mission is to empower organizations to prioritize the health, safety, and environmental well-being of their employees, customers, and communities. As a trusted partner, we provide expert guidance, innovative solutions, and unwavering commitment to excellence, helping businesses exceed regulatory standards and set new benchmarks for safety and sustainability. Driven by integrity, professionalism, and a passion for making a positive impact, we foster a culture of continuous improvement, collaboration, and accountability. Through lasting relationships built on trust and respect, we enable our clients to mitigate risks, enhance workplace safety, and protect the environment for generations to come.



Company Profile

Core Values

CSS upholds five core values, based on our ethos, experience, and forward-thinking perspective. Our core values reflect our commitment to excellence in construction, renewable energy, and power station projects: Each value has a measurable impact on work practices and the relationships CSS maintains within the business community.

Value-Adding

Regardless of your industry, implementing robust Health, Safety, and Environmental (HSE) practices, alongside stringent quality controls, is crucial for reducing losses and maximizing profits. At CSS our core mission is to enhance these two fundamental aspects of your business operations. We are dedicated to helping you add substantial value and drive growth through comprehensive HSE and quality management solutions.

Collaboration

We will work with you to understand your immediate goals, and anything that you want to achieve in the short to medium term. This helps us provide you with what you need, and not what you don't. We believe in developing long term, collaborative partnerships with our clients.

Integrity

We are committed to the highest levels of accountability, honesty, and ethics.

Excellence

We continuously strive to be the best at what we do.

Inclusion

Building a diverse, respectful and collaborative culture is key to our identity.



Company Profile

Our Experts

CSS assembles expert teams with proven track records in construction safety, renewable energy, and power station operations. Our specialists bring hands-on experience from mega-scale infrastructure and energy projects across MENA, combining practical site expertise with advanced project management capabilities.

Our team's distinctive strength lies in their comprehensive understanding of international standards, including IFC Performance Standards, World Bank EHS Guidelines, and ISO certifications specific to construction and power generation. This expertise enables effective implementation of QHSE systems across diverse project environments, from large-scale construction sites to operational power facilities.

To maintain our leading edge, CSS integrates academic research into practical applications, particularly in emerging areas of renewable energy technology and construction safety innovations. This synthesis of research and field experience ensures our clients receive cutting-edge solutions that meet both current standards and future industry demands.

Experience and Expertise

Certified	ISO 9001
ISO 45001	ISO14001

Industry-specific Knowledge:

With over 15 years of experience, we bring extensive expertise in HSE (Health, Safety, and Environment) for large-scale renewable energy projects, including solar, wind, battery storage, green hydrogen, and green ammonia.

Company Profile



Projects Showcase

01. Abydos Solar 560 MWp PV, 33/220 KV AIS Substation, 300 MWp Battery Storage System

- Review E&S management system for AIS 220kV/33kV Substation.
- Review E&S management system for 560 MWp Abydos Solar power Plant.
- Review E&S Management system for Battery storage system.
- Conduct E&S compliance Audits on Abydos 560 Mw PV project and 220KV/33KV Substitution.
- Review E&S Management system for O&M of 560 Mw Pv and 33/220 Kv substitution



02. Alcazar Energy project in Benban Solar Park, 265 MWp, 4 Projects of 64 MWP (AEES, ATEN, DELTA, Horus)

The project comprises four solar power projects (AEES, ATEN, DELTA, Horus), each with a capacity of 64 MWp, forming a total capacity of 265 MWp.

- Develop operation and maintenance of E&S management system for four projects.
- Conduct E&S compliance audits on four projects during operation and maintenance phase.
- Lead ISO certification renewable process (45001, 9001, 14001) during operation and maintenance phase

03. Komombo Solar Power Plant 26 MW

- Review operation and maintenance of E&S management system.
- Conduct E&S compliance audits.



04. 117 MW solar plant project Globalic, ARC, Arrina

- Conduct E&S compliance audits in Benban Solar Park, for the three projects during operation and maintenance.

Company Profile

Stakeholders

 <p>IFC International Finance Corporation WORLD BANK GROUP</p>	 <p>JICA</p>	 <p>FMO Entrepreneurial Development Bank</p>
 <p>AIIB ASIAN INFRASTRUCTURE INVESTMENT BANK</p>	 <p>BANQUE AFRICAINE DE DEVELOPPEMENT AFRICAN DEVELOPMENT BANK AFRICAN DEVELOPMENT FUND FONDS AFRICAIN DE DEVELOPPEMENT</p>	 <p>FINNFUND</p>

 <p>CDC Group</p>	 <p>AMEA POWER Africa • Middle-East • Asia</p>	 <p>ABYDOS ابيدوس للطاقة الشمسية ش.م.م ABYDOS SOLAR POWER CO. S.A.E</p>
 <p>ALCAZAR ENERGY</p>	 <p>Ministry of Electricity and Renewable Energy New and Renewable Energy Authority</p>	 <p>TSK</p>
 <p>ENVIROMENA</p>	 <p>GILA AL TAWAKOL ELECTRIC</p>	 <p>M M MOTT MACDONALD</p>
 <p>RAMBOLL</p>		

Company Profile

Scope of Work / Our Services

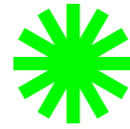
- 01** Health, Safety, Environmental, Social, and security management system Development
- 02** Policy Development and Implementation
- 03** Environmental Sustainability Services
- 04** Specialist Advisory and Site HSE Managements
- 05** Risk Assessment and Hazard Management
- 06** Performance Monitoring and Measurements
- 07** Incident Investigation, Performance Analysis, and Root Cause Analysis
- 08** Training and Safety Education



8 Services

Leveraging Expertise to Provide
Unrivaled Excellence in Health,
Safety, and Sustainability
Solutions

Service 01



Health, Safety, Environmental, Social, and security management system Development

CSS develops and implements comprehensive ESMS frameworks that align with IFC Performance Standards and meet rigorous lender requirements for construction sites, power facilities, and renewable energy projects. We understand the complexities of projects where multiple contractors, trades, and nationalities converge, requiring carefully coordinated safety and environmental protocols. Our systematic approach encompasses:-:



Health & Safety Management

Our health and safety framework encompasses site mobilization planning, multi-contractor safety coordination, and occupational safety protocols. We establish emergency preparedness systems, hazardous material handling procedures, and construction phase safety protocols. Our approach integrates community health and safety, traffic management, and international workforce management, supported by specialized training programs.

Environmental Management

Environmental protection is addressed through integrated control systems covering noise monitoring, air quality, and dust management. We develop comprehensive Environmental Impact Assessments (EIA) for construction and power generation projects, ensuring thorough evaluation of potential environmental effects. We implement soil and groundwater protection measures, water resource management strategies, and environmental impact controls. Our waste and wastewater handling protocols ensure regulatory compliance, while our biodiversity conservation programs protect local ecosystems throughout project lifecycles.

Social Impact Management

Our social management framework ensures fair labor practices and working conditions while promoting gender equality. We establish worker and stakeholder grievance mechanisms, develop employment and procurement strategies supporting local development, and implement worker accommodation standards and cultural heritage protection measures.

Implementation and Compliance

Our experts serve as dedicated E&S coordinators throughout your project lifecycle, ensuring compliance with:

- IFC Performance Standards
- EBRD requirements
- International finance institution criteria
- Local regulatory requirements

Security Management

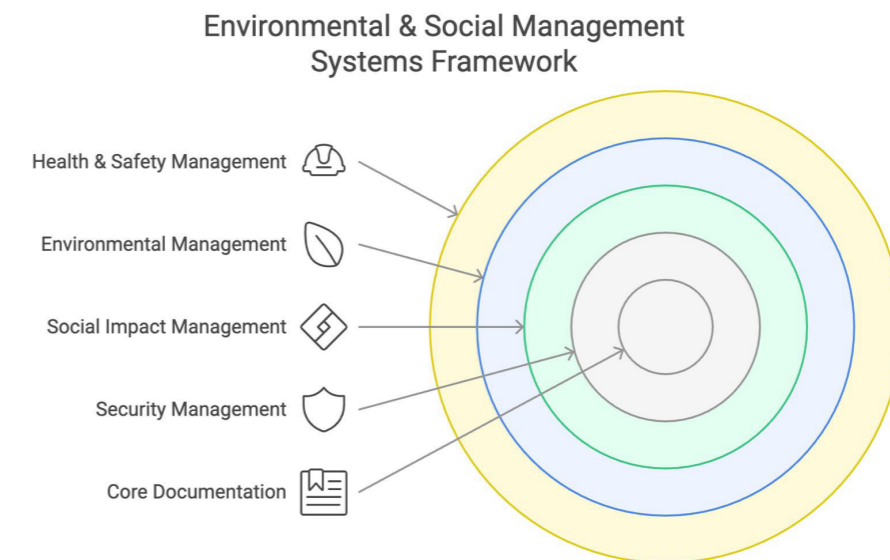
CSS develops comprehensive security management plans tailored to project-specific risks. We conduct security risk assessments, establish threat monitoring systems, and design security protocols that protect assets and personnel while maintaining operational efficiency.

Core Documentation

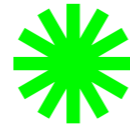
The foundation of our ESMS is built on thorough documentation including detailed manuals and policy frameworks. We maintain comprehensive legal compliance registers and permits management systems. Security planning is integrated throughout all aspects of operations, ensuring asset and personnel protection while maintaining operational efficiency.



We maintain comprehensive documentation of all E&S measures, reducing liability risks and strengthening your position with regulatory authorities. Our integrated approach ensures both lender approval and operational excellence, making E&S requirements enhance rather than hinder project success.



Service 02



Policy Development and Implementation

CSS helps construction companies, power stations, and renewable energy facilities develop focused safety policies that reflect their current operational workflows. We design policies that bridge the gap between regulatory requirements and day-to-day operations, ensuring both compliance and usability.

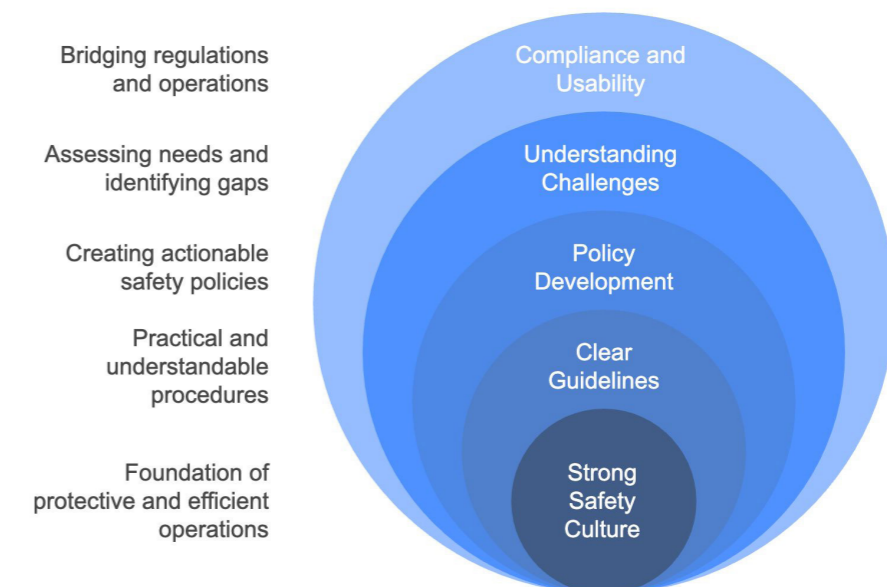
We start with understanding business specific operational challenges and industry requirements. Then assess existing procedures, identify gaps, and create clear, actionable policies for all aspects of QHSE management. This includes safety protocols, environmental guidelines, and emergency response procedures.

Hand in hand with management to ensure policy implementation. We help establish clear roles, responsibilities, and accountability measures. Our approach emphasizes creating documents that workers can easily understand and follow, avoiding overly complex procedures that might get ignored.

Our goal is to help you build a stronger safety culture through clear, practical guidelines that protect your workforce and support efficient operations.



CSS Safety Policy Development Service





CSS guides construction projects and power facilities in implementing sustainable practices that reduce environmental impact while maintaining operational efficiency. We help organizations balance ecological responsibility with business performance through practical, measurable solutions.

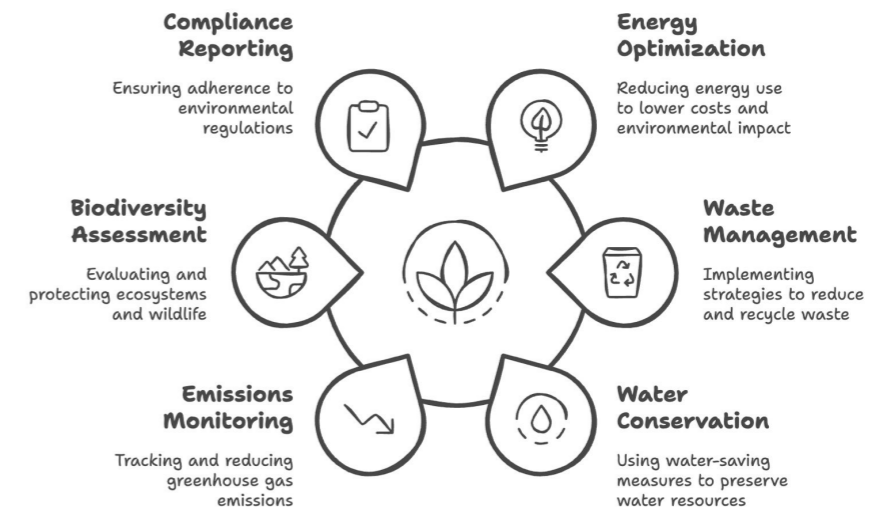
Our sustainability services focus on key environmental aspects of construction and power operations, including resource efficiency, waste reduction, emissions control, and biodiversity protection. We assess current practices, identify improvement opportunities, and develop actionable sustainability plans aligned with international standards.

Service 03

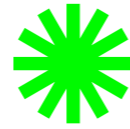


Environmental Sustainability Services

CSS Environmental Performance Enhancement Service



Service 04



Specialist Advisory and Site HSE Manage- ments

CSS provides dedicated HSE advisors for construction projects, power stations, and renewable energy facilities. Our experienced professionals integrate with your project teams, offering continuous expertise throughout operational phases.

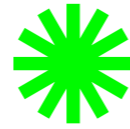
Whether the project requires a single HSE advisor or a complete site safety team, CSS ensures consistent HSE performance while maintaining project momentum, making safety an enabler for project success.

Our on-site advisors deliver value through:

- Daily safety oversight and compliance monitoring
- Real-time risk assessment and mitigation
- Training and mentoring of site personnel
- Interface with regulatory authorities
- Documentation management and reporting



Service 05



Risk Assessment and Hazard Management

At CSS, we conduct comprehensive risk assessments mandated by Occupational Health and Safety regulations, helping construction sites and power facilities implement effective safety measures. Our approach combines regulatory compliance with practical risk evaluation, ensuring thorough hazard identification and control.

Our multidisciplinary team of occupational safety experts, medical professionals, and risk specialists conducts thorough workplace assessments using advanced methodologies. We evaluate all aspects of operational environments, from construction site hazards to power generation risks, documenting both physical and psychosocial factors that could impact worker safety and health.

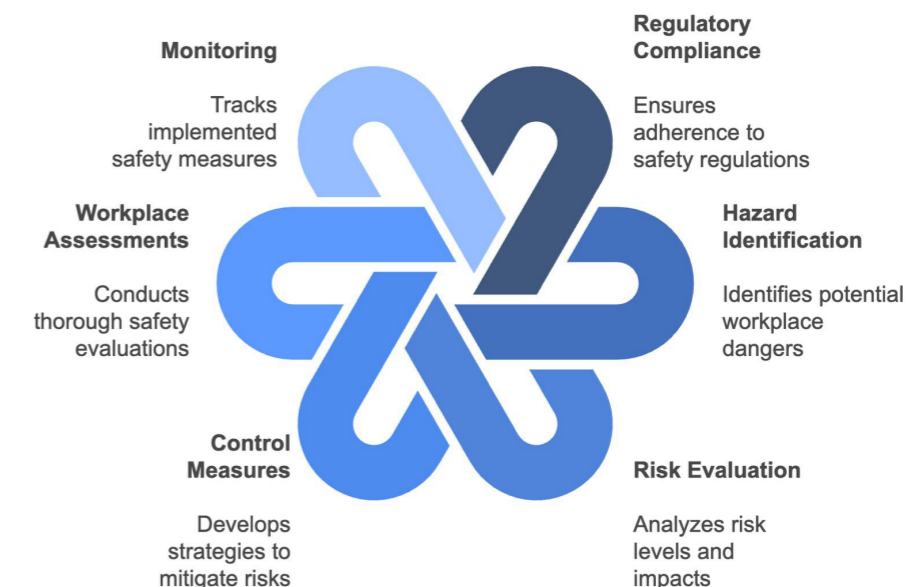
The assessment process includes detailed site inspections, document reviews, and technological compliance verification. We work collaboratively with your team to identify potential hazards, analyze risk levels, and develop targeted control measures. Our documentation system ensures complete tracking of all identified risks, implemented controls, and ongoing monitoring requirements.

Key areas of focus include construction site safety assessment, power plant operational risk evaluation, renewable energy installation hazard analysis, worker stress assessment, environmental risk factors, and emergency response preparedness.



This enables organizations to prevent accidents, manage occupational health risks, and maintain productive work environments across construction and power sector operations.

CSS Comprehensive Risk Management Service





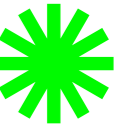
Helping clients effectively monitor the ESG performance of their investments and to better demonstrate and communicate ESG outcomes and performance to both internal and external stakeholders, by conducting audits.

Measuring performance is to provide information to the decision-makers and those accountable for the overall management. The measurement information sustains the operation and development of the health and safety management system, and hence the control of risk, by

- Providing information on how the system operates in practice,
- Identifying areas where remedial action is required,
- Providing a basis for continued improvement,
- Further, the regulatory and operating environment in emerging markets is often complex and continually evolving, with enforcement varying considerably from country to country.

Our guidance helps you meet legal requirements while improving safety performance - simply and effectively. We focus on practical solutions that work in the real world of construction sites and power facilities.

Service 06

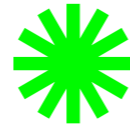


Performance Monitoring and Measurements

CSS Compliance Guidance and Regulatory Support Service



Service 07



Incident Investigation, Performance Analysis, and Root Cause Analysis

CSS conducts thorough investigations of accidents and near-misses at construction sites and power facilities to prevent future incidents. We use systematic analysis methods to uncover root causes, identify contributing factors, and develop effective preventive measures.

Our investigation process combines detailed evidence gathering with expert analysis. We examine physical evidence, conduct interviews, review documentation, and analyze operational procedures to build a complete picture of incident causation. Our team applies recognized investigation methodologies to ensure no critical factors are overlooked.



Beyond individual incidents, CSS performs comprehensive trend analysis to identify patterns and recurring issues across projects. We examine incident data over time to spot emerging risks, evaluate the effectiveness of existing controls, and identify areas requiring systematic improvement. This broader analytical approach helps organizations address underlying causes rather than just immediate triggers.

The CSS team examines organizational factors, work processes, training effectiveness, and safety culture to develop comprehensive recommendations. Each investigation and analysis produces practical, implementable solutions that strengthen your safety systems. Through data-driven insights and systematic improvements, we help you build a more resilient safety program that prevents incidents rather than just responding to them.



CSS recognizes that workplace accidents often stem from specific behaviors, which is why we prioritize safety training as we start assignments. Our programs ensure employees receive job-specific safety instruction that meets legal requirements while building practical skills for construction sites and power facilities.

We tailor flexible, accessible training solutions that combine hybrid learning approach (traditional and online). Our occupational health and safety experts create customized programs covering

- Site-specific safety protocols
- Emergency response procedures
- Equipment operation safety
- Environmental protection measures
- Risk Management
- IOSH Managing safely
- Advanced First Aid
- Advanced Fire Fighting
- Working at height
- Defensive driving Training
- Incident management

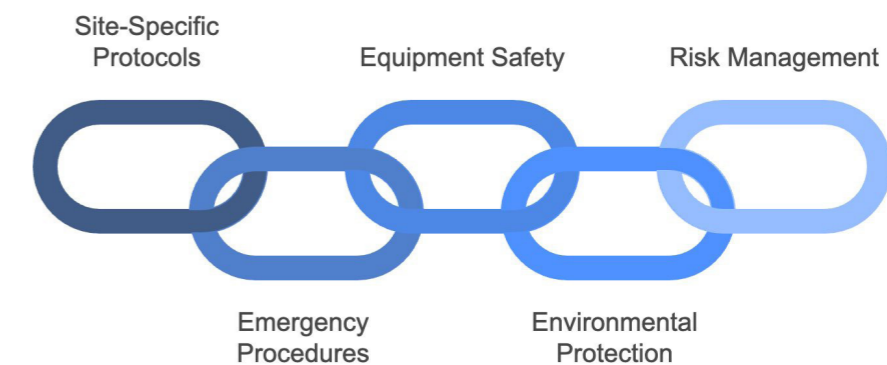
Service 08



Training and Safety Education

Our digital learning platform allows workers to complete training at their own pace while automatically tracking progress and certification. Whether it's construction site safety, power plant operations, or renewable energy installations, this system ensures ease of taking the courses to the employees, while consistent documentation of completed training - protecting both workers and helping companies internal audits.

CSS Safety Training



Company Profile

Why work with CSS?



CSS offers distinctive advantages that deliver measurable value to our clients:

Sector-Specific Expertise

Our deep understanding of construction safety, power plant operations, and renewable energy technologies enables us to address complex challenges effectively. We maintain strong relationships with international lenders and regulatory bodies, ensuring smooth project execution and compliance.

Sector-Specific Expertise - Comprehensive Solutions - Tailored Implementation

Comprehensive Solutions

We integrate construction safety protocols with power generation requirements, environmental compliance with operational efficiency, and risk management with performance optimization. Our holistic approach ensures protection of assets, people, and reputation while maintaining operational excellence. Our solutions, born from on-site management and lessons learned from different mega-projects

Tailored Implementation

Understanding each project's unique challenges, we develop customized solutions that match your specific construction or power facility requirements, scale with project growth and align with both immediate needs and long-term objectives. Our commitment to innovation, combined with practical experience in mega-projects, ensures your operations maintain the highest standards of safety and efficiency.

Company Profile

Quality Commitment

CSS takes its commitment to maintaining the highest level of quality throughout its operation, both on-site and in its managerial structure and procedures. This is endorsed by our upcoming acquisition of



ISO 45001

OCCUPATIONAL HEALTH
AND SAFETY MANAGEMENT
SYSTEMS

ISO 9001

QUALITY MANAGEMENT
SYSTEMS



ISO14001

ENVIRONMENTAL
MANAGEMENT SYSTEMS



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