



SIMPLIFYING ESG AND CLIMATE DISCLOSURE

EPCAM offers a complete cloud solution to organizations who want to optimise their voluntary and compliance related ESG and Climate Disclosure processes (ESG, TCFD, EU ETS, IR, CDP, Carbon Tax, GHG Reporting) while delivering strategic performance insights.

Quick-to-implement, our EPCAM™ monitoring and reporting cloud solution simplifies and automates disclosure on greenhouse emissions and sustainability in general whether compliance or voluntary. Adaptable to multiple standards and methodologies, our solution collects and processes data from multiple sources periodically, allowing you to monitor progress through dashboards and automate reporting.

■ Simplified

EPCAM™ provides a secure, online portal, with an easily accessible, user-friendly interface for capturing consumption and activity data anywhere, anytime.

The data is quickly, easily and accurately aggregated from multiple sources and converted into greenhouse gas emissions data in accordance with the standards the organisation reports under.

EPCAM™ applies appropriate calculation methods and technical factors for multiple reporting standards. While managing the emissions of facilities within their allowances, EPCAM™ can also generate the relevant emissions and environmental performance data for sustainability reporting under multiple standards. Our solution provides excellent control of data completeness and quality.

■ Automated

An integral part of the EPCAM™ platform is its advanced, highly customisable dashboards, providing seamless management reporting and compliance reporting including GHG monitoring and annual sector GHG Benchmark Reports.

EPCAM™: ESG PERFORMANCE AND CARBON MANAGEMENT PERFORMANCE MONITORING

While automated voluntary and compliance reports are an integral part of our EPCAM™ platform, it is only one of the great benefits EPCAM™ delivers.

Used both by corporates and cities, our secure online EPCAM™ platform is extremely flexible and designed for sustainability management and benchmarking as well as sustainability performance optimisation.

■ Developed by Carbon Professionals

Our first-to-market solution is backed up by Brundtland's longstanding expertise and success in carbon management and sustainability. Our team is highly experienced, fully abreast of the latest developments, and services a wide range of clients in this area for more than a decade already.

We combined the skills of our carbon and sustainability professionals with the programming skills of top-notch information system developers, to build you a simple and effective solution.

■ Complete Solution

Whether in business or government, we invite you to leverage our expertise and solutions to simplify and automate your organisation's emissions and sustainability reporting and to optimise performance using the EPCAM™ platform.



EPCAM™ PLATFORM FEATURES



Easy to Use

- ✔ User-friendly, flexible and tailored to your requirements
- ✔ Online access from anywhere, anytime
- ✔ Customised configuration of dataset, dashboards, and reporting modules



Secure

- ✔ Two-factor authentication login
- ✔ Database securely hosted applying the highest standards
- ✔ Encryption of communication to ensure data integrity



Targeted

- ✔ Developed and maintained by specialists
- ✔ Professional software developers
- ✔ Technical experts in sustainability

EPCAM™ SERVICES

EPCAM™ keeps track of your organisations environmental impact, sustainability, and key performance indicators needed for regulatory compliance. It also identifies operational areas for improvement; reveals reduction and mitigation opportunities; and measures overall management and technical performance.

Online Monitoring and Reporting

- ✔ Supports overall strategy formulation
- ✔ Setting of specific goals and targets
- ✔ Net-zero module to track your progress against climate change commitments
- ✔ Flexibility addresses data requirements, different collection methods and input frequencies

Tailor-made Dashboards

- ✔ Key Performance Indicators (KPI's) and systems to monitor performance areas
- ✔ Identify operational areas for improvement such as fuel and water efficiency
- ✔ Proactive incident mitigation by analysis of trends

Simplified, Automated Reporting

Reports tailored to specific in-house requirements or any requirements emanating from applicable external reporting requirements.

- ✔ Management reporting: technical and operational performance
- ✔ Compliance reporting: EU ETS, GHG Emission and Carbon Tax Reporting including tailored modules for each compliance framework.
- ✔ Sustainability Reporting: annual sector, company and facility-specific sustainability reports tailored to your needs. Modules available for voluntary disclosures such as CDP, GRI and TCFD.
- ✔ Capture data only once and disclose under multiple voluntary and compliance frameworks, streamlining your ESG and Climate disclosure processes.

EPCAM™ KEY COMPONENTS



Manual and Automated Data Input



Data Management and Status



Tailor Made Dashboards



Compliance Reporting



Easy Expansion to Other Sustainability Areas

■ Data Input

While most organizations have multiple parallel data capturing processes to prepare their ESG and Climate disclosures, EPCAM users benefit from the cloud solution's streamlined approach of preparing multiple report outputs using a single point for data capturing. EPCAM allows for data input via manual, semi-automated (Excel CSV upload) and fully automated (API connection to source) systems.

After determining client-specific Key Performance Indicators and structuring the dataset accordingly, a secure, online portal is tailor-made for your organisation. Your online portal provides an easily accessible, user-friendly interface designed to manage data input quality, including prohibiting incorrect formats and uses feedback.

■ Data Management and Status

Overall data input and completeness status can be reviewed and edited easily, providing excellent control of data completeness and quality. A full data history is always available, making the auditing process easier by ensuring complete audit trails with supporting evidence.

Data captured can be reviewed by browsing through overall data captured for a specific period, reviewing data history or scrutinising data entered for individual elements. Pop-up charts visually compare data input for a specific parameter to previously entered values and provide checks that documentation for data substantiation has been submitted. Easy-to-use edit functions allow values to be corrected and resubmitted, while tracking original and subsequent submissions, changes, and comments.

This delivers the ability to track and manage overall data input and completeness status for multiple sites or business units, as well as for specific parameters and indicators.

■ Tailor-made Dashboards

EPCAM™ advanced tailor-made dashboards provide you with overall insight in your key performance and management data.

User-friendly dashboards are designed to your specification, allowing managers to oversee the performance of various operations and benchmarking performance against internal targets and sector baselines.

The platform reporting levels can be extended to fit the number of layers in the organisational structure.

Examples of Measurable Indicators

- ✓ Production volumes
- ✓ Electrical efficiency: Grid electricity, renewable energy type and consumption/use
- ✓ Fuel Efficiency: Fuel type, quantity, and quality
- ✓ Water efficiency: Water source, quantity and consumption/use
- ✓ Air emissions: Direct and indirect GHG emissions and other air pollutants such as NOx and SOx

WHAT YOU CAN'T
MEASURE, YOU
CAN'T MANAGE.

- PETER DRUCKER

Compliance – EU ETS, GHG Reporting and Carbon Tax

Data captured via the EPCAM™ Sustainability Portal is used to produce:

- ✓ Regulatory reports
- ✓ Management and integrated reports
- ✓ Annual EU ETS compliance reports
- ✓ GHG emissions reports for DEFF (Department of Environment, Forestry and Fisheries)
- ✓ Carbon Tax Returns for SARS (South African Revenue Service)
- ✓ Annual sector, company and facility-specific sustainability reports tailored to your needs
- ✓ Continuous monitoring of carbon tax exposure
- ✓ Assessment of carbon intensity against the benchmark to determine the carbon tax performance allowance

EXPAND INTO OTHER SUSTAINABILITY AREAS WITH EPCAM™

EPCAM™ goes beyond monitoring and reporting environmental performance.

Flexible, customisable and expandable, the EPCAM™ dashboard can be expanded to other sustainability areas and indicators such as Safety, Occupational Health, Quality and Workplace Wellness.

As such, EPCAM™ provides a solution for putting sustainability at the core of business performance, enabling informed decisions to improve the overall business performance.

In addition to monitoring, reporting and identifying operational areas for improvements, the EPCAM™ platform

enables proactive and focused incident mitigation and management.

PROACTIVE - Extract insights based on graphical analysis of incident trends by period, department, site and business unit, to identify areas requiring special attention.

FOCUSED - Inform business strategy based on KPIs tailored to your business.



OTHER SUSTAINABILITY INDICATORS



Safety

Easy and user-friendly monitoring of multiple safety indicators to improve safety incident and risk management, while developing and fostering a positive safety culture.

Measurable indicators include:

- Fatalities
- Lost Time Incidents (LTI)
- First Aid Cases (FAC)
- Medical Treatment Cases (MTC)
- Restricted Work Cases (RWC)
- Near Misses
- Observed Unsafe Behaviours
- Total Hours Worked
- Lost Time Injury Frequency Rate (LTIFR)



Occupational Health

Easily track employee health trends and access data-based insights for informed decision-making, proactive management, identification of occupational health risks requiring intervention as well as opportunities for improving employee health and productivity and reducing occupational health risks.

Measurable Indicators include:

- Level of exposure to occupational hazards by work profiles
- Number of ergonomic-related injuries
- Drug and alcohol test results
- BMI results
- Status of first-aid training completion and renewal



Quality

Quantitatively track non-conformances in product quality, customer feedback and compliance to internal quality management standards to manage quality assurance and ensure customer satisfaction.

Measurable indicators include:

- Products meeting or deviating from quality specifications
- Reprocessed products/batches
- Cost of reprocessing poor-quality products
- Number of customer complaints
- Number of corrective measures implemented
- Average time taken for corrective measures to be implemented
- Number of quality issues found during internal quality control audits
- Number of sites with ISO 18001 system in place



Workplace Wellness

Capture, process and report insights from surveys and traditional HR metrics relating to employee satisfaction, productivity and turnover, to inform and improve company culture and boost business performance.

Measured indicators include:

- Employee Job satisfaction (survey results)
- Satisfaction in work environment (survey results)
- Absenteeism rates
- Employee turnover rates
- Type and number of wellness initiatives
- Participation in wellness initiatives

BRUNDTLAND CONSULTING, YOUR PARTNER IN CLIMATE CHANGE, GREEN ECONOMY AND RENEWABLE ENERGY

The performance monitoring capabilities delivered by EPCAM™ is but one of the solutions we offer at Brundtland Consulting.

Leading the transition into a green economy by providing smart, sustainable and realistic solutions for businesses, cities, and governments.

Working from our base in Johannesburg, South Africa, our team consists of climate change, energy and sustainability experts with academic backgrounds in engineering, finance, economics and policy, allowing you to benefit from our expertise.

OUR EXPERTISE

- ✓ In-depth understanding of global and regional energy markets and climate change policies
- ✓ Unmatched GHG management and mitigation experience
- ✓ Technical and information systems expertise
- ✓ Multiple years of sound management consultancy experience

TURNKEY SOLUTIONS

- ✓ Advising business in determining how to respond to the changing regulatory landscape
- ✓ Defining low-carbon and adaption strategies
- ✓ Managing energy, carbon and water performance
- ✓ Developing and financing renewable energy and energy efficiency projects
- ✓ Policy development studies

Brundtland leverages these unique abilities to provide your organisation with complete solutions, tailored to your specific requirements from our comprehensive service offering along five distinct service lines.

FIVE SERVICE LINES

Climate Strategy

- ✓ Net-zero strategy development
- ✓ Climate change impact and vulnerability assessments
- ✓ Carbon footprinting
- ✓ GHG benchmarking for industry
- ✓ GHG and carbon tax optimisation for compliance reporting

Climate Finance

- ✓ Carbon credit origination (e.g., the CDM, VCS and Gold Standard)

- ✓ Carbon credit commercialisation and transaction facilitation

- ✓ Green finance and funding applications

Climate Cloud Solutions

- ✓ EPCAM™ Sustainability performance monitoring
- ✓ Digital monitoring, reporting and verification
- ✓ Performance tracking against KPIs and net-zero targets
- ✓ Automation of voluntary and compliance reporting

Climate Policy

- ✓ Climate change policy development assistance
- ✓ Carbon pricing mechanisms and markets
- ✓ GHG benchmarking for government
- ✓ Circular economy initiatives

Climate Disclosure

- ✓ Mandatory compliance reporting (EU ETS, Carbon Tax, GHG Emissions Reporting)
- ✓ Voluntary Disclosure (CDP, GRI, SBTi, TCFD, ISO)

OUR CLIENTS

Brundtland Consulting has successfully serviced and engaged with a wide range of South African and international organizations, including the following:



CONTACT

Whether in business or government, we invite you to leverage our expertise, experience and service solutions to successfully face the challenges and opportunities that come with a transition to a low-carbon economy and society.

Contact us at team@EPCAM.co.za or call **+27 11 447 7892** to make an appointment for a free demo and an expert assessment to simplify and automate your sustainability monitoring and reporting.



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