

Emissions Trading Scheme (ETS) Monitoring, Reporting and Verifications

Address ETS requirements with a cost-effective, systematic solution.

Inclusion of airlines in emission trading schemes (ETSs) such as the European Union ETS requires airline operators to understand and comply with new, strict regulations regarding greenhouse gas emissions. As deadlines rapidly approach, there is an urgent need to develop plans and prepare for implementation. Beyond basic compliance, future focus is on opportunities to optimize costs and enhance competitiveness in this new environment.

Optimized Systems and Solutions (OSyS) delivers an ETS monitoring, reporting and verifications solution that enables you to meet the initial requirements with confidence. Taking full advantage of the solution will provide your operations the optimal competitive position within cap-and-trade emissions-reduction schemes.

A solution designed for today and tomorrow

OSyS' ETS MRV solution delivers a cost-effective, systematic approach to ensure you meet the ETS monitoring, reporting and verification requirements. Because it can be implemented quickly, it enables you to address short-term monitoring and reporting needs in a timely manner.

The full value of OSyS' solution goes beyond complying with the immediate requirements. By extending capabilities via additional modules, it provides the next step to cost optimization and on to the long-term need for decision support regarding carbon-credit trading.

A solution built on experience

OSyS' world-class data-quality platform provides the foundation for our ETS MRV solution. It has been proven in use across multiple industrial sectors to successfully consolidate and manage data quality. The solution also employs our secure technology infrastructure that currently delivers asset-optimization services for more than 200 airline operators.



More than a decade of experience has produced industry-leading expertise in designing and providing compliance solutions to aviation and energy operators.

Benefits realized with OSyS' ETS MRV solution

- Minimal up-front capital outlay
- Rapid system set-up with low cost and risk
- High-availability, secure infrastructure without high costs
- Capability expansion provided by modular approach
- Affordable to full spectrum of airlines
- Support of fleet growth at minimal cost
- Software solution that automates compliance process
- Confidence in reporting and sanction avoidance

OSyS' modular ETS monitoring, reporting and verifications solution takes you through meeting requirements to optimization and decision support.

Our ETS MRV solution uses OSyS-hosted software to deliver for our customers the benefits of a high-availability infrastructure with rigorous back-up and security standards without the costs of establishing it.

Our solution addresses the guiding principles of ETS monitoring and reporting, including consistency, completeness, transparency, faithfulness and performance improvement. Because our approach is modular, it goes beyond these basic principles to add extended analysis and visualization capabilities.

OSyS' solution

The first element of the solution is a readiness assessment, conducted in collaboration with the airline and their chosen verifier. The result is a joint understanding of the maturity of the organization in terms of people, technology, process and data to support the benchmark development and emissions and reporting requirements. Based on understanding gained from this activity, OSyS works with both the operator and selected verifier to generate the required plan.

The solution then ensures efficient and low-risk control of your airline's adherence to the regulations by enabling you to manage your data acquisition and quality. Required reports are produced in electronic formats that comply with the ETS directives.

Beyond compliance

The capability of the solution can then be extended with the inclusion of additional modules to optimize emissions management. This addition will allow you to identify anomalous emission profiles and take action to bring them in line. It also enables you

to statistically analyze the competing influences affecting emissions, from routing to flight operations, in order to prioritize which initiatives are most effective.

The addition of further modules provides decision-support capability regarding carbon-credit trading and hedging. By charting your trading position, the solution enables a forecast by route, fleet, type of credit or hedge. It will also provide "what if" scenario analysis by route or fleet, and allow the operator to view historic data and/or fly-forward projections for fuel and emissions.

Taking advantage of the full value of OSyS' ETS MRV solution enables you to maximize benefits from free carbon allowances, reduce fuel costs, and forecast and manage ongoing operations and carbon-trading opportunities. The result is confidence in compliance and a competitive edge.



Meet today's ETS requirements and establish a competitive edge with OSyS' ETS MRV solution.