

# EU EED

## DATA CENTRE SUSTAINABILITY COMPLIANCE REPORTING SOLUTION

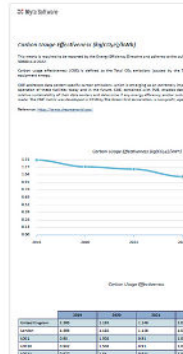
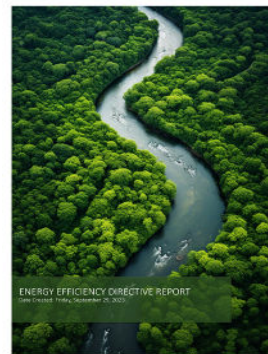
The EU EED Data Centre Sustainability Compliance Reporting Solution, from Nlyte Software, is a pioneering suite specifically designed to assist data centre operators in meeting the stringent requirements of the European Union Energy Efficiency Directive (EU EED). This comprehensive solution, featuring the Nlyte Real-Time Data Centre Sustainability Dashboard and the Annualised EU EED Data Centre Compliance Report, empowers data centre operators with real-time monitoring and detailed annual reporting capabilities. It facilitates adherence to the upcoming EU EED mandates for data centres larger than 500kW, which commence reporting from 15 May 2024, but also promotes enhanced operational efficiency and environmental sustainability. By integrating this solution, data centres can seamlessly navigate the complexities of compliance while advancing towards a greener and more efficient future.

The Nlyte Software solution is a two-pronged approach:

**Nlyte Real-Time Data Centre Sustainability Dashboard:** This cutting-edge dashboard provides real-time insights into energy consumption and efficiency metrics. It is a tool that transforms data into actionable intelligence, enabling operators to make swift, informed decisions that align with sustainability goals.

**Annualised EU EED Data Centre Compliance Report:** Complementary to our dashboard, this comprehensive report offers an accounting of key energy efficiency metrics. It helps data centres, especially those exceeding the 500kW threshold, can accurately and effectively report their compliance with the EU EED. The report includes an array of prescriptive metrics that are crucial for assessing the environmental impact and energy efficiency of data centres. These metrics include:

- Renewable Energy Factor (REF):** This metric measures the proportion of energy consumed by the data centre that is sourced from renewable energy. It highlights the data centre's commitment to sustainable energy sources.
- Carbon Usage Effectiveness (CUE):** CUE assesses the carbon footprint of the data centre. It calculates the total greenhouse gas emissions caused by the data centre's energy consumption, providing insight into its environmental impact.
- Total Data Centre Energy Consumption:** This straightforward metric quantifies the total amount of energy consumed by the data centre over a specific period, usually a year. It serves as a baseline for evaluating energy efficiency improvements.
- Cooling Efficiency Ratio (CER):** This ratio evaluates the efficiency of the data centre's cooling systems. It compares the energy used for cooling to the total energy consumption, helping to identify opportunities for enhancing cooling efficiency.
- Energy Reuse Factor (ERF):** ERF measures the effectiveness of the data centre in reusing energy. It calculates the proportion of energy that is recycled within the facility, for example, using waste heat for other purposes.
- Power Usage Effectiveness (PUE):** One of the most used metrics, PUE compares the total energy consumed by the data centre to the energy consumed by its IT equipment. A lower PUE indicates greater energy efficiency.
- Water Usage Effectiveness (WUE):** This metric determines the efficiency of water usage in the data centre. It is particularly relevant for facilities that use water for cooling, indicating how effectively this resource is being used.
- IT Equipment Utilisation for Servers (ITEUsv):** ITEUsv assesses how efficiently the IT equipment, specifically servers, are utilised. It helps in understanding if the IT equipment is over or under-utilised relative to the energy it consumes.



# BENEFITS

- **Compliance Assistance:** Helps data centres meet the upcoming EU EED reporting requirements.
- **Environmental Impact:** Helps operators minimise their carbon footprint and promote sustainable practices in data centre operations.
- **Data-Driven Decisions:** Empowers operators with real-time data for informed decision-making.

## FEATURES

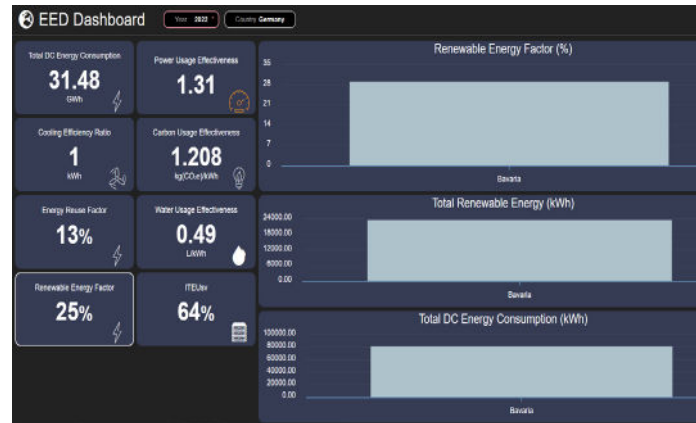
- Live tracking of energy use, carbon footprint, and other sustainability metrics.
- Customisable alerts and notifications for deviations from set efficiency targets.
- User-friendly interface for easy access to key data and reports.
- Integration with existing data centre infrastructure for seamless data collection.
- Comprehensive coverage of key metrics such as PUE, CUE, IT Equipment Utilisation, and more.
- Historical data comparison to track progress and improvements over time.
- Clear, concise formatting for regulatory reporting and internal review.

## APPLICATIONS

- Data Centres needing to comply with EU EED.
- Organisations aiming to improve their data centre's energy efficiency.
- Businesses focusing on reducing their environmental impact.

## PREREQUISITES

- **Nlyte Energy Optimiser (NEO) 12.X** or higher - PN: DCIM-EO-CORE
- **Nlyte System Utilisation Monitoring (NSUM)** - PN: DCIM-SUM-CORE
- **Nlyte Data Centre Sustainability Compliance Reporting Solution** - PN: SUSTAINABILITY-CORE



The Data Centre Sustainability Dashboard is an essential tool for effectively managing sustainable practices. It offers invaluable insights that significantly enhance your sustainability decision-making processes.

Nlyte Software's Sustainability Compliance solutions offer the necessary tools to track and comply with climate risk disclosures, and other sustainability reporting regulations. Reach out to us now to discover more about how we can assist you in maintaining compliance.

# SUSTAINABILITY

Nlyte Software's Data Centre Sustainability Compliance Reporting Solution offers a transformative approach for data centre operators striving for sustainability. By integrating the Nlyte Real-Time Data Centre Sustainability Dashboard and the Annualised EU EED Data Centre Compliance Report, this solution provides operators with crucial real-time analytics and detailed annual reporting, essential for meeting the stringent EU EED requirements. It facilitates precise monitoring and management of key sustainability metrics like energy consumption, cooling efficiency, and carbon footprint. This not only facilitates compliance with regulatory mandates but also aids in identifying and implementing energy-saving measures, leading to reduced environmental impact and enhanced operational efficiency.

Nlyte's solution is pivotal in helping data centres evolve into more sustainable, eco-friendly, and efficient facilities.



When you're ready to take your data centre to the next level of sustainability, we're ready to help.

[nlyte.com](https://nlyte.com)



Nlyte Software helps teams manage their hybrid infrastructure throughout their entire organisation – from desktops, networks, servers, to IoT devices – across facilities, data centres, colocation, edge, and the cloud. Using Nlyte's monitoring, management, inventory, workflow, and analytics capabilities, organisations can automate how they manage their hybrid infrastructure to reduce costs, improve uptime, and helps compliance with regulatory and organisational policies.

Nlyte Software is a part of Carrier Global Corporation, a global leader in intelligent climate and energy solutions.

For more information, visit [Nlyte.com](https://Nlyte.com) or follow Nlyte on LinkedIn.

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