

Information to Licensees of CarbonCare



After 10 years of successful operation, we have fundamentally modernized the CarbonCare CO₂e Calculator. Below please find an overview of the key improvements and new features available in the upgraded version.

1. CO₂e Calculator

The calculator has been completely redeveloped and is now based on a REST API Gateway using POST methods. This enables significantly improved performance. In addition, global coverage has been expanded substantially, particularly through the inclusion of additional features, UN/LOCODEs, and related datasets.

2. Hosting

The solution will now be hosted on Microsoft Azure - a secure, comprehensive, and globally leading public cloud platform ensuring high availability, scalability, and reliability.

3. Database

Going forward, PostgreSQL will be used as the database platform. PostgreSQL is a highly advanced object-relational open-source database management system (ORDBMS) recognized for its high performance and reliability. It supports relational SQL and non-relational JSON data structures and is largely compliant with ANSI SQL standards.

4. Data Transmission

Depending on the license type, CarbonCare will continue to offer two options for data exchange:

Online Data Exchange via API/XML

API versions 3.0, 3.1, and 3.2 will remain fully valid. API version 2.8 and lower will not be supported anymore. The existing API-keys remain valid and will not be changed. A new API version 4.0 with additional functionalities is planned for winter 2026/27. Further details will follow in due course.

Offline Data Exchange (Excel Files)

The transmission process via email will be replaced by an upload/download area on the customer homepage. Uploaded Excel files will be processed by the CarbonCare team. Individual solutions possible upon request.

5. New Distance Values

New SEAPORTS have been added to the distance tables within our database and additional RAILWAY lines have been integrated, including the corresponding drive types (diesel or electric).

6. Customer Homepage

The mycarboncare homepage for licensees has been completely redesigned and enhanced with numerous additional features. For proper identification and assignment of calculation requests to unique shipments and registered sub customers, it is important that the fields ("Shipment ID" and "Customer Reference") are completed correctly.

A detailed user guide for ADMINS and USERS (VIEW ONLY) is available in the document library.

a. Access credentials

For all ADMINS and USERS, it will be necessary to register a new password. Requirements: at least 8 characters, upper- and lowercase letters, at least one number and one special character (!@#\$%^&*). When your password is accepted you see a green confirmation - "Password updated successfully" and you can continue the sign-in process. The option for a two-factor-authentication has been introduced and can be activated. If your organisation uses Microsoft accounts, you can also sign in with Microsoft.

b. Dashboard

The newly structured dashboard provides comprehensive information on emissions, transport modes, transactions, shipments, and related data. Key functionalities include:

- Export of greenhouse gas emission reports in PDF and Excel format
- Search for individual shipments with CO₂e values
- Execution of sample calculations through API calls
- Generation of emission certificates (non-tradable) for licensees and their customers
- Link to a direct "bug report" where bugs can be reported and/or questions can be formulated and submitted
- Access to a comprehensive library containing documentations, explanations, and FAQs

c. Analytics Tool

Licensees who have purchased access to this ANALYTICS-BI tool can create comprehensive reports, analyses and evaluations for their customers. The options have been enhanced and are split into "analytics data" and "analytics charts".

We are convinced that this major upgrade will provide an even more professional, efficient, and user-friendly experience for all CarbonCare customers and partners. Please don't hesitate to contact us in case of questions via info@carboncare.org.

Your CarbonCare Management Team

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