



NTT DATA Business Solutions

SAP Service Description Document for G-Cloud for:

SAP Sustainability Management

27 January 2026 | Document Version 1.00

NTT DATA Business Solutions is a Global Value-Added Reseller of SAP and provides all SAP products in the same form as if they had been purchased directly from SAP.



NTT DATA Business Solutions

We Transform. SAP Solutions into Value

We understand the business of our clients and know what it takes to transform it into the future. At NTT DATA Business Solutions, we drive innovation - from advisory and implementation, to managed services and beyond, we continuously improve SAP solutions and technology to make them work for companies - and for their people.

Aiming to transform, grow and become more successful? We provide you with more than in-depth expertise for SAP solutions: As your passionate partner, we connect your business opportunities with the latest technologies – and offer you a unique approach to get the job done as smoothly as possible. Our close ties to SAP and other partners give you access to innovative solutions and developments. Being part of the global NTT DATA group enables us to master any scope of project.

With operations in more than 30 countries, we have enabled thousands of companies become more efficient and effective during the last three decades. Our more than 14,000 experts around the world will also accompany you on your journey toward a truly intelligent enterprise – wherever you want to start! We have specialised in making SAP solutions work for companies – and for their people: We Transform. SAP solutions into Value.

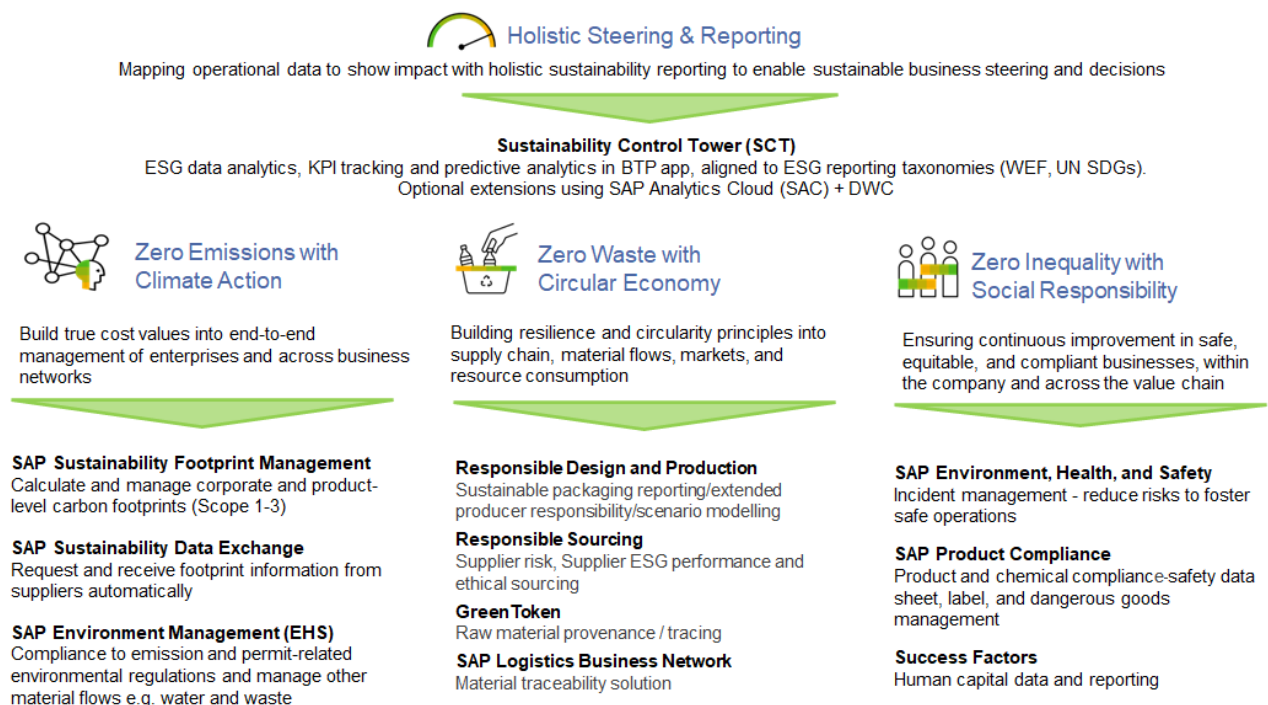
We are proud to be consistently recognised within the SAP ecosystem, having won multiple SAP accolades over the years. We are also delighted to announce our recent achievement of four SAP Pinnacle Awards in the categories of GROW with SAP, SAP Business AI Customer Adoption, Business Transformation Management, and Cross-Portfolio Success. These awards celebrate the exceptional performance of the world's foremost SAP partners, underscoring our commitment to excellence and innovation. With four wins and five finalist positions, we stood out as the leading winner in 2025. Additionally, our greatest asset and our most significant differentiator is our people. In 2025, the NTT DATA Group was named a Global Top Employer in 33 countries by the Top Employers Institute. This award highlights our dedication to creating a thriving work environment and confirms our status as a choice destination for IT professionals.

Overview

SAP Sustainability Management consists of two key capabilities, the SAP Sustainability Control Tower and SAP Sustainability Footprint Management.

These are offered as separate subscription services.

These services form two key components in SAP's holistic approach to sustainability:



Contact NTT DATA Business Solutions

<https://nttdata-solutions.com/dk/contact/>

Learn more about SAP Sustainability Control Tower, and how this solution can support your organisation in achieving its sustainability goals.

SAP Sustainability Control Tower

Unlock the power of data to record, report, and act on your sustainability goals - at scale

NTT DATA Business Solutions

1. Key Features of SAP Sustainability Control Tower:

- **Data consolidation:** SAP SCT can connect to a wide range of data sources, including SAP S/4HANA, third party ERP systems, and many other business systems. This allows you to consolidate all your ESG data in one place.
- **Data Analysis:** SAP SCT provides powerful tools for analysing your ESG data. You can create dashboards, charts, and reports to track progress, identify trends, and uncover areas for improvement.
- **Target setting and monitoring:** SAP SCT can help you set and monitor ESG targets. You can also track your progress against industry benchmarks.
- **Integration with SAP's Ecosystem:** SAP SCT is tightly integrated with SAP's ecosystem. This allows you to automate data collection and reporting, as well as integrate ESG data into your business processes

2. Benefits of SAP Sustainability Control Tower:

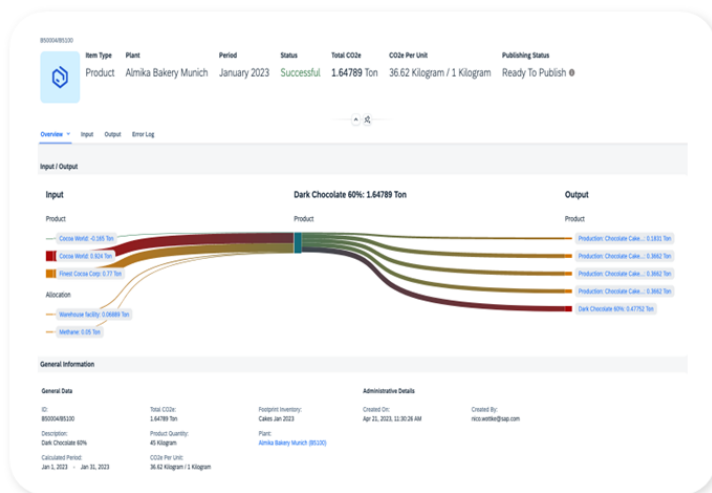
- **Improved decision-making:** SAP SCT provides you with the information you need to make informed decisions about your ESG strategy.
- **Reduce risk:** By proactively managing your ESG risks, you can reduce your exposure to reputational damage, regulatory sanctions, and other negative consequences.
- **Increase brand value:** A strong ESG reputation can give you a competitive advantage and help you attract new customers, investors, and employees.
- **Ensure compliance:** SAP SCT can help your organisation in staying compliant with relevant ESG regulations, such as CSRD/ESRS, EU Taxonomy, and GRI.

3. How SAP Sustainability Control Tower can help you:

- **Reduce your environmental impact:** By tracking your energy consumption, emissions, and waste, you can identify opportunities to reduce your environmental footprint.
- **Improve your social impact:** By tracking your labour practices, human rights records, and community engagement activities, you can make a positive impact on society.
- **Enhance your governmental practices:** By tracking your financial performance, ethics standards, and risk management practices, you can improve your corporate governance.

SAP Sustainability Footprint Management

Bring accuracy and clarity to your decarbonisation agenda with SAP Sustainability Footprint Management (SFM)



E2E Emissions Management

De-carbonise the value chain with corporate and product emissions management (Scope 1-3) based on calculated and real data.

Inbuilt Integration

Integration and reuse of existing business data from S/4HANA and other ERP systems.

Efficient calculation & reporting

Standardised and repeatable data acquisition, calculations and reporting

Real-time Analysis and Decision Making

Actionable insights into footprint calculations in real-time and data accessibility in S/4HANA

Sustainability Frameworks and Databases (excerpt)

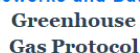


Figure 1: SAP Sustainability Footprint Management in a Nutshell

The Challenge

All businesses in all countries and across all industries are facing huge pressure to act on climate change from various different stakeholder groups. Some of the key stakeholder groups driving this are as follows:

1. Consumers are demanding real action and are aware of greenwashing. In addition, customers are now willing to pay more for more sustainable products.
2. Investors are requesting carbon reduction and net zero plans, demanding more reliable data and divesting from carbon heavy and unsustainable businesses.
3. Regulators and authorities are enacting robust requirements to make it easier for investors to assess company performance and risks. The number of climate related laws, regulations and policies is growing rapidly.

The reality is less than 10% of companies measure their total emissions comprehensively; most omit some of their Scope 1 and 2 emissions and do not report any of their scope 3 emissions. What's more, companies estimate an average error rate of 30% to 40% in the measurements they do make. Businesses also face massive potential cost for inaction in terms of fines and loss of business from negative press stories or social media reviews.

Without understanding the full extent and composition of total emissions across Scope 1, 2 and 3 fully, companies won't know where to prioritise their reduction efforts or how to measure their progress accurately, but also, they won't be acting responsibly given the need to take action on climate change.



The Solution

SAP Sustainability Footprint Management (SFM) is a carbon calculation engine which runs alongside your ERP, it stores and manages the emission factors you want to use, and primary emissions data gathered directly from your suppliers to generate footprints by combining this data with business transaction data leveraged directly from the SAP ERP system. Once calculated, the footprint data can be sent back to your SAP ERP system (or another analytics tools) to be utilised in decision making, helping you take steps to reduce your carbon footprint over time.

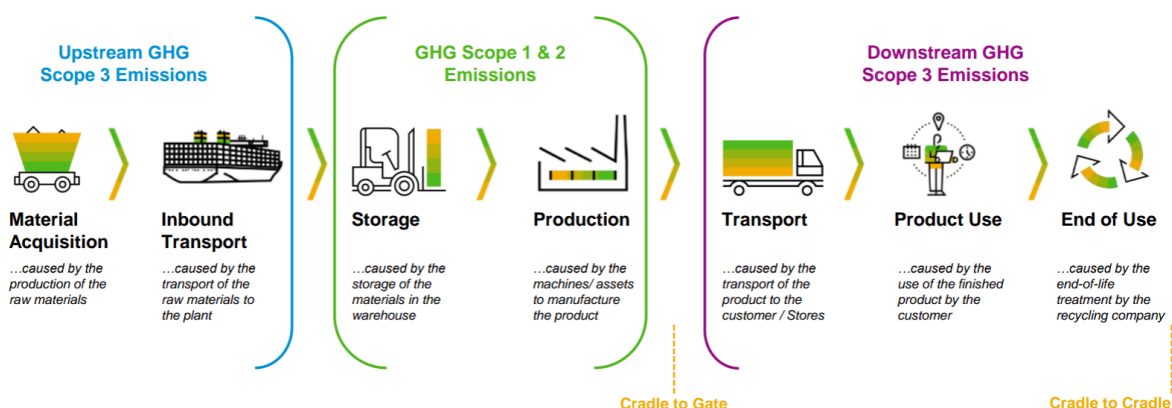
Features

The solution leverages the following capabilities:

1. Robust SAP ERP and S/4HANA master and transactional data integration
2. Fully flexible carbon calculation mechanism across product/organisation and value chain dimensions
3. Real-time dashboards and analytics

Scope

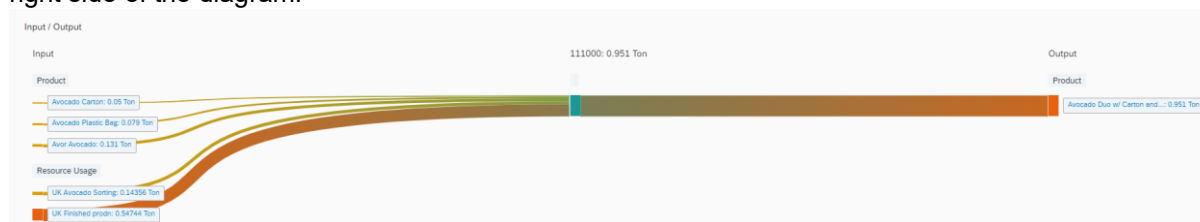
SFM allows you to model both organisation and product footprints, for example modelling full and accurate cradle-to-gate calculations to inform your customers and other business partners as illustrated in the diagram below:



Product Footprint Transparency

As SFM leverages business data from your SAP backend system it can go to a very granular level and look at footprints at each part of the value chain and throughout production. An impactful Sankey diagram can be used to quickly illustrate the carbon throughput at each step in a production process as can be seen in the diagram below.

In this simple example you can quickly and easily see footprints for each resource or material which contributed to a production process. It shows the footprints from the materials sourced from suppliers, the production resource footprints from energy use and the total footprint for the finished product shown on the right side of the diagram:



The footprint information can be analysed at each stage to see the specifics of the footprint calculation.

The Outcomes

Benefits

You can expect to achieve the following benefits with SFM:

1. The tool is future proofed and scalable to allow you to use proxies and LCAs now but transition to using primary data in the future to give you as much accuracy on your carbon footprint as possible across all scope items.
2. The solution combines the emission factors with operational data quickly and efficiently to get you carbon footprint analytics at whichever level you need with little effort. Once it is setup once you can repeat the exercise regularly with virtually no extra effort.
3. It provides full transparency and auditability into the process. It helps you identify where the most carbon intensive areas of your business are so you can focus your carbon reduction efforts, and also provides history for ongoing audits, so no more reliance on spreadsheets!



With the mix of averages and actual carbon data, SAP Sustainability Footprint Management delivers transparent and auditable calculations to accurately measure and improve carbon footprint calculations over time allowing you to be clear and confident on your carbon reduction and net zero goals.

Data Acquisition

Flexible Data Acquisition is key to any overarching sustainability solution. SAP provides flexible integrations to SFM:

SAP S/4HANA Integration

Integrate SAP S/4HANA Cloud and SAP S/4HANA (2021 and later) out-of-the box for importing master data and transactional activity data (material movements).

Any ERP via APIs

Connect any ERP system via Public APIs that are available in [SAP Business Accelerator Hub](#) (managed as an IT integration project).

File Upload

Import data from any source via flat file upload (.xls files).

Emission Factors Management

Lifecycle Assessment (LCA) Data

Secondary data: Use industry averages from content providers, such as [ecoinvent](#) or [Carbon Minds](#).

Leverage custom data/ proxies that were collected during own operations or calculated using LCA software tools.

Supplier Data

Primary data/ actuals: Import and manage footprints that you receive directly from your suppliers. Import is available via direct entry, file upload, and [Push API](#).

Emission Factor Mapping

Use guided configuration for associating emission factors to your business data (purchased products) at different levels of granularity, such as product, supplier or commodity code.

Footprint Calculation

Manage Footprint Inventory Scope

Maintain individual inventory scopes to define the organisational boundaries of the footprint calculation. Define and list all data sources to be used for the calculation and map products to emission factors.

Model Energy Flows & Allocations

Model the energy flows per energy carrier and resource in your production line or facility. Use those models and/ or create own rules to allocate energy consumption and assign emissions to the manufactured products.

Calculate & Monitor Footprints

Calculate footprints as per the defined scope and monitor the results in an easy-to-read graphical format with drill-down possibilities into main footprint drivers. Various levels of details create full transparency on the usage of input factors like purchased energy.

Footprint Analytics

Dashboards & Corporate Balance

Gain full transparency into your emissions through comprehensive dashboards that showcase hotspots and provide various breakdowns. Understand all emission inflows and outflows within the specified timeframe and organisational boundaries.

Transport Routes & Emissions

Visualise and analyse all your inbound & outbound transport routes & legs and respective emissions on various charts and on a world map.

Analytical API

Integrate footprint data via ODATA API into any analytical application of your choice.

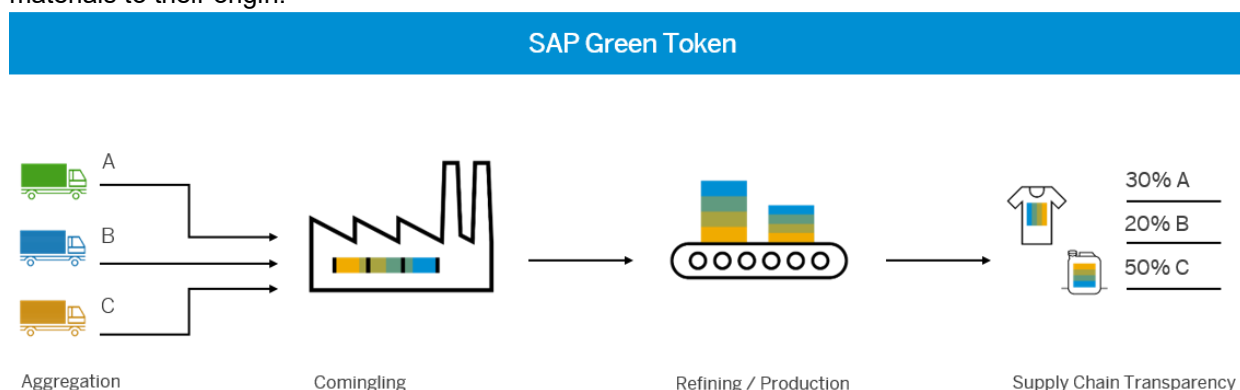
SAP Green Token

SAP Green Token is a chain-of-custody business application designed to help organizations trace and account for certified sustainable versus conventional feedstock throughout their supply chain network. Organizations can easily trace their inbound material's provenance from their suppliers and outbound product sold to their downstream partners. SAP Green Token aims at providing organizations with the following benefits:

- A first-in-class traceability and transparency approach to work with their supply chain partners and customers.
- An immutable proof of certified commodity chain-of-custody and ownership whether it be inbound, processed, or outbound.

How does SAP Green Token work?

Using the principles of mass balance, tokenization and blockchain, SAP Green Token acts as a multicommodity platform that enables you to account for the full chain-of-custody of commingled raw materials to their origin.



Sustainable and conventional (that is non-sustainable) commodities are traced through your supply chain and production processes using mass digital twins (tokens) on a blockchain. This allows transparency from different origins to be measured by counting the tokens.

Each organization or member of the supply chain forms part of your network, and may be responsible for operations like:

- Aggregation of sustainable or conventional commodities.
- Processing of commodities through comingling commodities for the purpose of refining or production of new commodities or products.
- Distributing finished products to end consumers or other organizations.

The Solution

Declaration management

Holistically manage declarations for various schemes and scopes in one single solution.

- Create a single source of truth

Collect, generate, and transfer declarations automatically.

- Flexibly assign custom templates

Move faster with configuration-based declaration templates.

- Manage multiple sites at scale

Assign declarations on multiple levels including location, plant, and material.

Segregated or mass balance accounting

Efficiently set up and drive chain-of-custody accounting for your entire organization at scale.

- Comply with multiple standards and regulations

Meet requirements of evolving standards and regulations such as ISCC, RSPO, REDcert, and EUDR.

- Dynamically account for conversions and transfers

Use configurable conversions and attribute-based filtering to allocate credits to products and execute credit transfers.

- Capture data from multiple sources

Automatically capture data from your ERP system and dynamically map sustainability attributes to your vendors.

Reporting and auditing

Ensure compliance with evolving standards and regulations with on-demand reporting.

- Efficiently pass through audits

Produce up-to-date audit reports that meet the requirements of certification standards.

- Generate reports on demand

Dive deeper into your raw material provenance, chain of custody, material movement, and net balances.

- Take proactive action with detailed insights

Access an overview of current and historical balances and distribution of sustainability claims.

SAP Sustainability Data Exchange

SAP Sustainability Data Exchange provides you with the platform and capabilities to enable your organization to manage and communicate sustainability data with relevant business partners with a current focus on the exchange of Scope 3 Product Footprint information.

By offering a standardized approach to sustainability data management and exchange, SAP Sustainability Data Exchange fosters collaboration across global value chains. Being a small application that can be used either completely standalone or connected to any ERP system, SAP Sustainability Data Exchange enables businesses of all sizes to share and receive reliable data from their direct partners. With its commitment to industry standards and partnerships with leading sustainability groups, such as WBCSD PACT and Catena-X, this solution provides a framework for companies to streamline data sharing and drive meaningful change in their sustainability practices.

Benefits

- Collaborate across your supply chain

Request and exchange Scope 3 emissions data through collaboration with your trading partners, increasing interoperability while retaining data sovereignty.

- Standardize sustainability data exchange

Simplify audits with standardized data processes. Exchange information with Catena-X or the WBCSD PACT framework.

- Accelerate carbon reduction

Identify products or processes with carbon reduction potential to avoid double emissions counting and optimize footprints calculations.

Features

Request and share accurate data

Proactively request and share accurate product carbon footprint data and automatically collect primary data for product carbon footprint calculations.

- Efficiently collect data from business partners

Digitally request actual carbon footprint data from suppliers and maintain inventory of product carbon footprint data for your products.

- Automatically share up-to-date data with business partners

Enable proactive data sharing of new, updated versions of product carbon footprint values.

- Seamlessly integrate to SAP Sustainability Footprint Management

Facilitate the collection of primary data for calculations in SAP Sustainability Footprint Management.

Comply with standardized models

Conform to industry frameworks and requirements in a standardized way while enabling interoperability with Catena-X and the WBCSD PACT standard.

- Ensure continuous compliance

Ensure compliance with preconfigured support for the latest standards and industry frameworks.

- Collect and share standardized data

Retain data sovereignty and control with standardized formats for data exchange.

- Comply to multiple standards and regulations

Simultaneously comply with multiple standards and regulations, including Catena-X and WBCSD PACT.

[Watch the demo video](#)

Manage current and historic data

Holistically maintain past and present up-to-date product carbon footprint data from a central solution.

- Create a single source of truth

Maintain data and help ensure you have the right information at the right time.

- Enhance accuracy and mitigate risks

Avoid double emissions counting and data discrepancy.

- Generate actionable insights

Identify products or processes with high potential for carbon reduction.

[Watch the demo video](#)

SAP Green Ledger

SAP Green Ledger is a financial solution for tracking, valuating, and reporting on the environmental impact of your end-to-end operations.

How SAP Green Ledger Enables Carbon Accounting

SAP Green Ledger is a financial solution that serves as the critical hub in carbon reporting. Working with connected tools like SAP S/4HANA Cloud Public Edition, SAP S/4HANA Cloud Private Edition, or SAP S/4HANA systems, SAP Sustainability Footprint Management, and SAP Analytics Cloud, it extends financial accounting to include the costs of businesses' greenhouse gas emissions. By applying the financial principles of double-entry accounting to carbon quantities, it provides a clear and quantifiable understanding of carbon impact, from provisioning to delivery. This granularity lets you define targeted emissions reduction actions to be taken at specific business units, departments, and locations. It also provides you with auditable reports regarding sustainability standards and regulations.

SAP Green Ledger helps you stay compliant. It also gives you the detailed information you need to steer your business toward better strategic decisions and a healthier, decarbonized economy.

Key Features

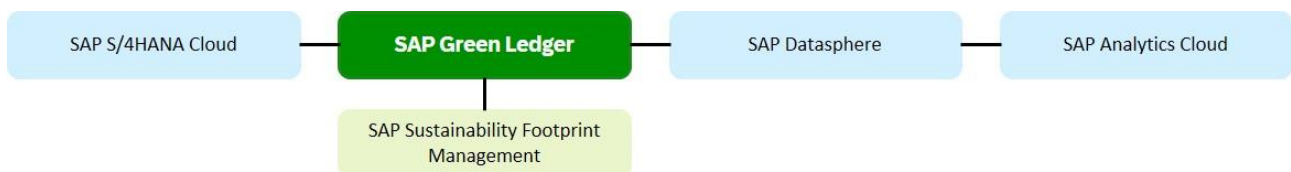
The SAP Green Ledger solution comes with the following key capacities:

- Support for integration with other systems

The broad benefits of this solution come in part from its ability to integrate with other systems. Among them are the following:

- SAP S/4HANA Cloud Public Edition, SAP S/4HANA Cloud Private Edition, or SAP S/4HANA system including group reporting
- SAP Sustainability Footprint Management (this is optional, but it facilitates importing carbon data into SAP Green Ledger)
- SAP Datasphere (this is optional, but it facilitates reporting and analyzing financial data and carbon data)
- SAP Analytics Cloud (this is optional, but it allows for better reporting and analyzing of carbon data in comparison to financial data)

The following diagram illustrates the other systems that SAP Green Ledger can be integrated with.



- Replication of corporate financial master data

You can import corporate master data from connected business systems like SAP S/4HANA Cloud Public Edition, thus aligning carbon accounting with the global corporate financial framework.

- Carbon data collection and posting

SAP Green Ledger is the central hub for the accounting of carbon data incurred by a company through its activities or its purchased goods and services. You can import this data seamlessly from SAP Sustainability Footprint Management, import it from external sources by uploading spreadsheets, or enter it manually, and later post it to the journal at the entity level.

- Carbon data export to group reporting

You can export carbon data from SAP Green Ledger to SAP Group Reporting Data Collection. From there, your data is mapped and imported to group reporting in SAP S/4HANA Cloud Public Edition. The data is consolidated with financial data for group reporting and analysis.

- Allocation management

You can allocate posted carbon quantities to the specific cost centers, profit centers, or accounts responsible for those emissions. This lets you quantify the global carbon and financial cost for specific departments, functional areas, locations, profit centers, segments, or units in your company.

- Visualization and reporting

Thanks to SAP Datasphere and SAP Analytics Cloud, you can visualize the data in multiple ways and create audit-quality reports to support data-driven decision making. This integration allows you to analyze your carbon data in comparison to your financial data. It allows for analytics on financial dimension in relation to financial figures, such as revenues, margins, or income.

Additionally, you can create internal reports and use them to further analyze your carbon data within SAP Green Ledger.

- GHG Emission Planning

You can use your carbon data to provide actuals for GHG emission planning. Based on these actuals, emissions and their financial impact can be planned and simulated for future fiscal periods. For more information, see [Greenhouse Gas Emission Planning](#).

Onboarding

The SAP software is made available to the customer from the point of contract signature as a Software-as-a-Service.

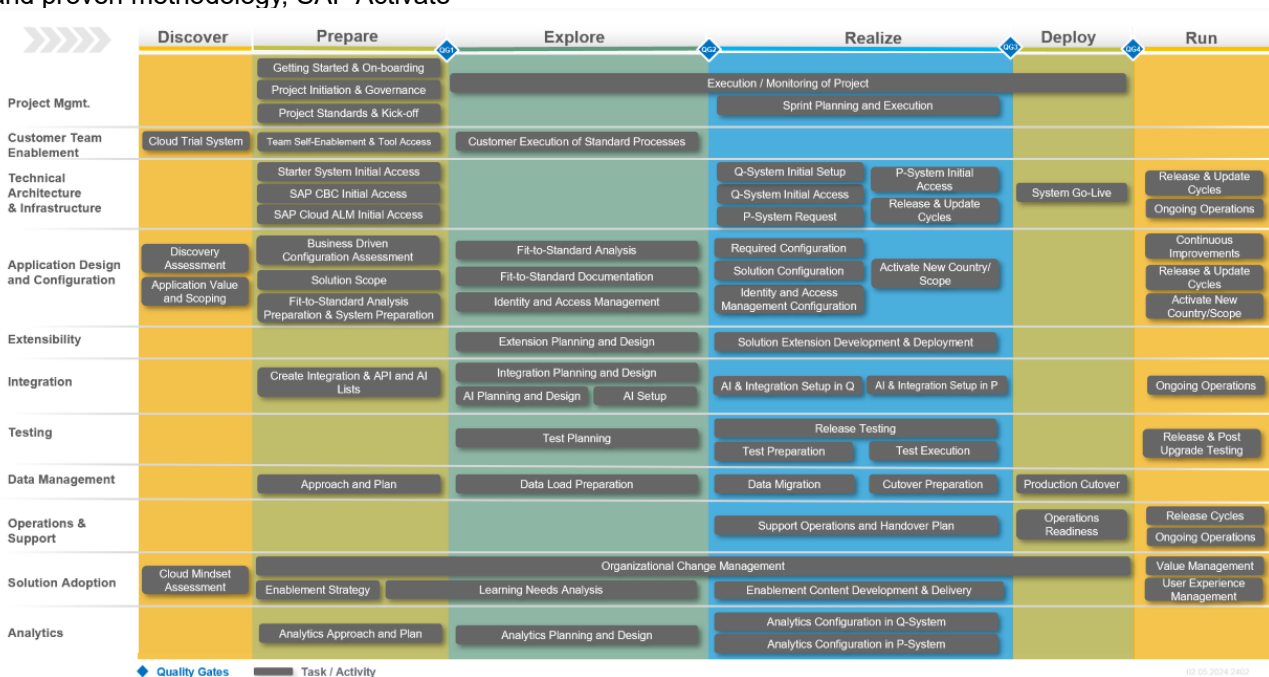
Full use of the service is enabled through an implementation project. NTT Data Business Solutions are able to deliver the implementation project through our listing for SAP Cloud Support Services (Implementation), also on G-Cloud.

General Implementation Approach

NTT Data Business Solutions offer implementation and advisory consulting services for the implementation and onboarding of the SAP software, available through our Lot 3 listing – NDBS Cloud Support Services (Implementation). These services cover:

- Application skills for implementation, configuration, testing support
- Value Added services for: change management, training and training strategy, data migration
- Technical skills for development of applications, enhancements, and integrations to the SAP platform

Customers achieve fast and cost-efficient deployment of SAP products and innovations through a consistent and proven methodology, SAP Activate®



The implementation approach encompasses the management of the key workstreams (left axis) throughout the 6 phases of implementation (top axis). Key activities during implementation include:

Discover Phase Activities:

- User enablement via the trial system
- Solution scoping via the SAP Digital Discovery Assessment tool
- Value discovery

Prepare Phase Activities:

- Define project goals, a high-level scope, and a project plan
- Identify and quantify business value objectives
- Secure executive sponsorship
- Establish project standards, organisation and governance
- Define and secure approval for the implementation/upgrade strategy
- Define roles and responsibilities for the project team
- Validate the project objectives
- Establish project management, tracking, and reporting mechanisms for value delivery
- Begin self-enablement
- Develop enablement strategy
- Receive and access the initial systems
- Kick off the project

Explore Phase Activities:

- Project management execution, monitoring and controlling
- Customer project team enablement
- Fit-to-standard analysis
- Configuration definition
- Integration prerequisites confirmation
- Solution extension preparation
- Data load preparation

Realise Phase Activities:

- Establish the solution landscape
- Implement the solution in the quality environment using incremental build in time-boxed iterations (sprints)
- Conduct overall end-to-end testing of the solution
- Set up production environment
- Prepare for data migration and data archiving
- Conduct project team and key user training
- Testing of the solution
- Finalise end user training materials and documentation
- Track and report on value delivery

Deploy Phase Activities:

- Finalise the solution and business processes for production go-live
- Proceed with cutover activities including data migration
- Execute transition and cutover plans including organisational change management (OCM) plans
- Complete all scheduled end user training
- Track and report on value delivery
- Develop post-go live support plan

Run Phase Activities:

- Ongoing system operations

- Continuous change management
- Continuous learning
- Continuous improvement
- Release cycles

Our approach embeds the following principles:

- START with BEST PRACTICES - with the solution delivered through proven, re-useable Knowledge Assets and pre-built content, including Process Flows, pre-configuration, Test Scripts, Data Migration Assets, and end-user documentation and help
- VALIDATE the SOLUTION - Validation to Best Practices and Fit-Gap Analysis
- MODULAR and AGILE – SAP provides the ability to deliver the solution incrementally, ensuring to value and focus on key business benefits
- PRE-ASSEMBLY & CLOUD READY – Pre-built Best Practices enable customers to accelerate implementation whilst leveraging the flexibility and speed of the cloud
- QUALITY BUILT-IN – A stage gate approach with embedded quality milestones delivers early identification and management of risk, with a “total quality” approach to implementation
- A FOCUS ON ADOPTION – Utilisation of Best Practices as an accelerator allows the project to focus less on the technical aspects of the solution, and more on the data and adoption aspects that are critical to success

Implementation projects for all products and services are tailored to the customer, and delivered in line with client needs and requirements.

Service Levels and Support

For productive system the service level for availability is 99.7%. For non-productive systems (development, test) the service level for availability is 99.5%.

Additional cost options are available to increase the availability to higher levels for the Private Cloud option for productive systems.

Software Support is provided by SAP Enterprise Support. Additional cost options are available for enhanced support from SAP and details are available on request.

NDBS can also provide additional application and technical managed service support for the application which enhances the SAP Enterprise Support with additional support for the application and the technical elements of the application. This can include ‘how do I?’ and ‘break-fix’ type support.

Maintenance Windows

For Public Cloud, there is a weekly maintenance window (Saturday 22:00 UTC) for 4 hours. In addition, there are up to 4 major upgrade windows per year (Saturday 04:00 UTC) for 24 hours. There are 2 upgrade releases that must be taken.

For Private Cloud – there is a major release every 2 years, with interim Feature Packs every 6 months. Upgrades are optional in Private Cloud, but the customer must be on a maintained release (hence must upgrade at least every 7 years). Subscription includes costs for the upgrade every 2 years.

Offboarding, and Access to Data

When offboarding, for the Public Cloud solution SAP provides tools to download the data from the service. It is the customer responsibility to download the data prior to contract termination. Additional cost options can

provide enhanced support from NDBS to support the customer in the offboard and data extraction elements up to the contract termination.

Business Continuity

For Public Cloud, the production system is backed up daily along with multiple archive logs taken daily. Non-productive systems are backed up weekly along with multiple archive logs taken daily. Backups are stored in a secure offsite location. Backup cycles for production data is 28 days; for non-production data the cycle is 14 days.

Enhanced Business Continuity coverage is available as an additional cost service.

After Sales Support

SAP provides Enterprise Support for the duration of the subscription (software support). NDBS can enhance the Enterprise Support, by providing highly flexible Application and Technical Managed Services for the buying organisation. As these can be tailored for individual customer requirements, NDBS can provide specific detail on application.