FUJITSU

Datasheet
Fujitsu Eco Track®
Energy & Environmental Management

Eco Track®

Sustainability Approach
The Fujitsu Group will contribute to the sustainable development of the society and the planet through its business activities. Our social responsibility is to deliver opportunities and security to as many people as possible world-wide through ICT.

Contributing to Sustainable Growth with the Power of ICT
The world faces a number of increasingly serious environmental challenges, among them global warming and the loss of biodiversity. The utilisation of ICT, with its power to transform our society, will be essential to ensure sustainable development and realising a prosperous society. Together with an extensive drive to minimise its own environmental footprint, Fujitsu is ramping up the provision of environmental products and solutions that will help to reduce the environmental footprint of our customers.

Environmental Management at Fujitsu
Fujitsu engages in systematic, ongoing environmental management initiatives in line with its Corporate Value "In all our actions, we protect the environment and contribute to society" a component of the corporate philosophy Fujitsu Way that guides to actions of Group Companies and employees. Green Policy 21 is the long-term environmental concept serving as the basis for all activities; Green Policy 2020 is the environmental vision for 2020, and the Environmental Protection Programmme is the immediate action plan consisting of individual 3-year-cycles with underlying key performance indicators.

Energy Reporting for European Businesses
European Parliament Energy Efficiency Directive (EED) requires European Enterprises to regularly undergo audits on their energy efficiency. Due to ongoing effects of the climate change, in addition to rising energy costs and growing consumer demands for environmentally friendly products, energy efficiency is now a top priority, particularly for large and midmarket companies in Europe. The Energy Efficiency Directive (EED) establishes a common framework of measures for the promotion of energy efficiency within the European Union, and is estimated to have the potential to achieve energy savings of 17-20% by 2020.

Green IT

Functions and Benefits

Main Functions	Benefits

Reporting Workflow

- Covers the complete data acquisition workflow using internal and e-mail based messaging
- Includes target definition covering review and forecast, segregation of duties and management involvement to reflect ISO 50001 PDCA-cycle (Plan-Do-Check-Act)compliant process
- Templates for data collection including plausibility checking for manual input as well as data import and export

Aggregation Options

- Flexible data aggregation across organisational units and company sites; depending on selected Eco Track edition, unlimited numbers of users, reporting units and survey items are supported.
- Multiple conversion factor sets for arbitrary aggregation include CO_2, kWh, and € preconfigured according to European market conditions
- Analysis for specially defined departments and grouping of units and survey items
- Arbitrary and multiple internal and external influencing factors

Planning and Analysis

- Graphical presentation options of information
- Numerical value break-down ready for export into spreadsheet formats

Audit-proof Reporting

- Set-up reporting hierarchies including roles to enable information provisioning and access
- Definition of qualitative and quantitative targets and tracking of target achievement
- Ensures audit-proof structures including report and authorisation history

Benefits column:

- Transparency on company structure
- Structure to measure environmental performance
- Ease-of-use and secure data management

- Data aggregation according to business needs
- Break-down of individual energy usage patterns
- Facilitate data collection and analysis
- Assessment of incidents to map company's energy management achievements vs. influencing factors

- Visualise environmental performance
- Environmental SWOT analysis

- Facilitated audit preparation
- Assessment and monitoring of environmental performance
- Compliance with legal requirements

Environmental Management

Comprehensive Analysis and Planning Features

Eco Track can aggregate any subset of the defined set of survey items with respect to any subset of the research period and any combination of reporting organisational units. Any item or item class can be aggregated and displayed in appropriate graphical representation for organisational units along corporate structure, spatial distribution, or other criteria like linkage to certain portfolio elements of the respective company.

Eco Track provides all basic management features required in ISO 50001 compliant processes, like checking progress against past periods or relative to defined targets. In addition, Eco Track can benchmark any organisational unit against other units and against arbitrarily definable management-indices. These may reflect company performance in terms of output of specific products, revenue or P&L. They may also refer to economic data like vertical sector statistics, GNP or other company external parameters. Aggregation can be performed by using arbitrary sets of conversion factors that are perceived as meaningful in respect to a given target. For instance, CO_2-aggregation in the definitions of the GHG-protocol, kWh-aggregation in the definitions of physics (or with weights as used in Japanese reports), monetary aggregation e.g. in EURO-currency at a given date of reference prices, or any other set of factors can be used to aggregate. This way, interesting business-decisions may be addressed, like "what is my next investment's trade-off between CO_2, kWh and € - how should my company react if factors prices move to a projected level-vector - which energy-saving measures are really significant now and in the long-term. There are no limitations regarding the number of management-indices or conversion-factor-sets.
FUJITSU provides conversion-factors to CO_2 according to the GHG-protocol, conversion factors to kWh according to physical definition and conversion-factors to €-currency according to annual price averages for Europe of calendar years 2011, 2012 as well as forecasts on 2013 and 2014 upon availability.

Extensive Reporting Functions

Data entry to Eco Track is performed by defined organisational units that may differ with respect to any form of hierarchical or spatial characteristics. The reporting company may choose to treat an entire subsidiary the same as a specific department of location. Target setting is done centrally by a qualitative proposition while quantitative targets at the base-level of reporting are set individually. Synchronisation with corporate quantitative targets is achieved by aggregation. This way, any form of company policy generation can be reflected by Eco Track. If required targets can be entered in a centrally controlled batch process, only the lowest level in the reporting hierarchy can enter data about resource consumption. Management, in appropriately defined structures, must approve or reject such data and forward to the next level in a chain that ends at the corporate level. Any reporting, forwarding or rejection can be commented

resulting in an audit-proof quantitative structure across the entire company.

Secure Data Management

Fujitsu Eco Track supports manual data input via a web browser with plausibility checks. In addition, import and export functions are available for the standard xls and csv file formats. All data is stored in a database, managed by Fujitsu, and archived for the entire duration of the Fujitsu Eco Track subscription. The database resides in a highly secured and ISO / IEC 27001:2005 certified Fujitsu owned cloud infrastructure, physically located in Germany. Fujitsu is in accordance with the most restrictive data protection law in the world (Bundesdatenschutzgesetz BDSG – Federal Data Protection Act).

Multiple Language Support

Fujitsu Eco Track is designed for use in European multinational business enterprises. The application is currently available in English, German and Japanese, more European languages will be added to the offering.

Ease-of-Use

Fujitsu Eco Track supports users who create reports and conduct analyses – extensive and in-depth specialist knowledge is not required. The application can be accessed from any computer equipped with an Internet connection and a web browser (see certified operating conditions below). Every user is assigned a specific ID enabling him to conduct work sessions in his/her preferred language, and different users can conduct work sessions at the same time.

Features

Certified Operating Conditions

Operating System	Microsoft Windows Vista or 7 recommended
Browser	Microsoft Internet Explorer 7.0, 8.0, or 9.0 Mozilla Firefox 16.0.2
Spreadsheet Software	Microsoft Excel 2003, 2007 and 2010
Notes	1) Customised report files might partially include unsupported functions and formats. If you use customised report files, please check their behaviours yourselves. 2) Eco Track will also work in other operating and browser environments like Safari, Chrome, Opera, etc. Only the above specifications have been tested in FUJITSU quality assurance and are therefore the basis of FUJITSU's responsibility in service requests.

Conversion Data

8 preconfigured energy types	Coal, gas, electricity according to German Standard mix, renewable energy, liquid fuel (gasoline), light heating oil, remote heating, remote cold
Conversion factors	Energy (kWh), CO_2/kg, € (average prices for 2011, 2012, forecast for 2013, 2014)
Note	All parameters are being updated on a regular basis.
Influencing factors	Leverages meteorological influencing data for energy consumption covering 30 European cities in terms of monthly temperature averages, enabling year-on-year energy-use comparisons based on temperature differences (degree day method) Source: www.dwd.de
Documentation	Fujitsu Eco Track User Manual

More Information

Fujitsu OPTIMISATION Services

In addition to Fujitsu Eco Track, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as a Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/
- PRIMERGY: Industrial standard server
- SPARC Enterprise: UNIX server
- PRIMEQUEST: Mission-critical IA server
- ETERNUS: Storage system
- BS2000 mainframes

Software

www.fujitsu.com/software/
- Interstage: Application infrastructure software
- Systemwalker: System management software

More Information

To Learn more about Fujitsu Eco Track, please contact your Fujitsu sales representative, Fujitsu business partner or visit our website.
http://www.fujitsu.com/ie/services/application-services/saas

Fujitsu Green Policy Innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at:
www.fujitsu.com/global/about/environment/

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