

Short Public Report

1. Name and version of the IT product or IT-based service:

ams.DSGVO, v.1.0 and the services of ams.Solution AG (Achim, Germany) with functional status of March 2020. ams.DSGVO is both, an IT product and an IT-based service.

2. Manufacturer / vendor of the IT product/Provider of the IT-based service:

Company Name: *ams.Solution AG*

Address: *An der Eisenbahn 6, 28832 Achim, Germany*

Contact Person: *Marc Meinhardt, Releasemanagement, ams.Solution AG*

3. Time frame of evaluation:

2017-12-08 - 2020-06-24.

4. EuroPriSe Experts who evaluated the IT product / IT-based service:

Name of the Legal Expert: *Alisha Gühr*

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5. Certification Body:

Name: EuroPriSe Certification Authority

Address: Joseph-Schumpeter-Allee 25

53227 Bonn

Germany

eMail: contact@european-privacy-seal.eu

6. Specification of Target of Evaluation (ToE):

ams.DSGVO is specified for use on ams.erp, an Enterprise Resource Planning (ERP) software, that is individually adapted in the customer's environment. ams.Solution AG in Achim, Germany, is specialized in ERP systems for individual, order and variant production. Users are mainly manufacturing companies, such as shipyards or plant engineering companies. Due to the volume of data in ams.erp, data protection requirements, in particular pseudonymisation, anonymisation, deletion, as well as the creation of overviews of personal data for information are of high importance. ams.Solution AG therefore developed the ams.DSGVO tool, which is designed to support customer requirements for data protection in ams.erp. The ToE includes the following components:

- ams.DSGVO v. 1.0

- The corresponding client.ini for the user

- Remote services to the ams.DSGVO tool by the support of ams.Solution AG using a remote maintenance tool (e.g. teamviewer), commissioned by the customer

Not included in the ToE are:

- ams.erp systems at the user

- The user's operating environment

- The implementation of the software by ams.Solution AG as well as onsite support services and service operations

- The ticket system and the web-based ams.Service Portal

- Development of the ams.DSGVO software including tests and releases as well as the provision of patches/SW corrections

- The web pages <https://www.ams-erp.com>

- Apps for smartphones or tablets and other products of ams.Solution AG

7. General description of the IT product / IT-based service:

ams.DSGVO processes data from the ams.erp system to implement the rights of data subjects. The data is primarily business information. Personal data are available in the ERP in the form of employee data of the companies or their subcontractors. Project-related data, such as project times, are recorded in the ERP and passed on to other systems of the user (e.g. time recording, payroll accounting). ams.erp contains several thousand tables and free text fields.

After configuration and integration of the desired target objects of the ams.erp, the ams.DSGVO Tool enables pseudonymisation, anonymisation (and associated a deletion of data) as well as a summary of all personal data in the ams.erp by evaluating the master and key data. The results can be used, for example, for providing information in accordance with Art. 12ff. GDPR, for considerations of a data protection impact assessment or for an extraction in terms of data portability. Via a dashboard, the user can select the desired functions (anonymise, pseudonymise, evaluate master/key data), call up an online help or receive a data protection information leaflet.

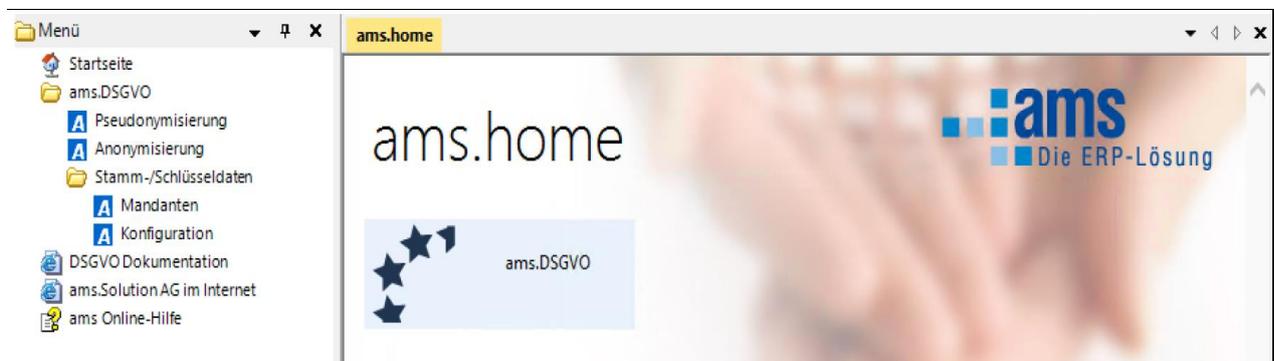


Figure 1: Dashboard of ams.DSGVO

ams.DSGVO is implemented in the same environment at the customer site based on Microsoft SQL as ams.erp. The connection of ams.DSGVO is possible from Release 8.0 of ams.erp. The minimum requirement of Microsoft SQL Server is version 2008 with Service Pack 4. An installation description helps the user to create the database. ams.erp must be configured for the use of the ams.DSGVO tool and vice versa. The user can choose which clients of ams.erp and which tables and data objects he wants to search. The "Clients" service in ams.erp is

used to define the necessary information and parameters for the connection between the target system `ams.DSGVO` and `ams.erp` depending on the underlying SQL database (client, name, server, database, system client, system alias). Via the "Tools" menu, the required `Mandant.ini` can be imported as a configuration aid, thus the existing client is automatically created. The `ams.DSGVO` tool uses the same database as `ams.erp`. The same structures (tables) are used as in `ams.erp`. The tables are in turn linked as a basis in the SQL database. If `ams.DSGVO` and the `ams.erp` target system are installed on one server, no further steps are necessary to retrieve the required data. If a customer requires a connection across servers, linked servers can be set up. Users log in to `ams.DSGVO`, as with `ams.erp`, using their user name and password. The access data are already assigned by the customer during the installation of `ams.erp` and managed by him. There the login is usually done with the Windows authentication.

To use the functions of `ams.DSGVO`, personal data must be determined and configured in the relevant services (tables) of the client. The configuration data is a basic requirement for the evaluation of the master and key data and later pseudonymisation / anonymisation. The configuration is done via the dashboard.

For pseudonymisation, the data/objects determined in `ams.erp` are listed. These must first be locked so that no `ams.erp` agent can inadvertently remove the pseudonymisation. The `ams.DSGVO` agent then selects the term to be pseudonymised. A so-called group usage list gives the user an overview where the search term appears. The processor then submits the data record for pseudonymisation. A different pseudonym is created for each data type (first name, last name, e-mail address, telephone number, postal address, date of birth, etc.). A random code of 8 to x characters is automatically generated by `ams.DSGVO` and stored in a reference file. A short name (user) can be up to eight characters long. The tool always generates a pseudonym which is based on the maximum field length of the database field. An e-mail can have up to 40 characters, from `x.surname@ams.erp.com` for example, the tool generates a pseudonym which is based on the maximum character length of 40 characters. Only the pseudonym is then displayed in `ams.erp`.

All pseudonyms and reference tables can only be viewed via the `ams.DSGVO` in the dashboard for the user authorized there. A retention period is displayed for

each pseudonym displayed field, which can be set manually. This supports later deletion of the data record (by anonymisation).

Pseudonymisiert am	Aufbewahrungsfrist bis	Suchergebnis	Pseudonym 1
02.12.2019	02.12.2019	0815	Yorogm3M7y
02.12.2019	02.12.2019	Bugs Bunny	mYScjIzkqXXLNPRrGawr
02.12.2019	02.12.2019	Bugs Bunny	mYScjIzkqXXLNPRrGawr
02.12.2019	02.12.2019	b.bunny@ams-erp.com	yodKxHIFoVdUebulRYV
02.12.2019	02.12.2019	Bugs Bunny	4vpKUbuEljwcYf1zSsAr
02.12.2019	02.12.2019	MMI	LWRcbwKv

Figure 2: Pseudonymisation - Overview

To achieve anonymisation of personal data, the selected data must first be pseudonymised. Then the only reference table remaining in the *ams.DSGVO* tool is deleted. This means that the pseudonymised data can no longer be traced. This form of anonymisation removes any reference information to a piece of data, which is equivalent to a data deletion.

The tool can be used for all *ams.erp* versions (version 5 and higher). Furthermore, all customer-specific programming using the *ams.DSGVO* tool is also considered.

8. Transnational issues:

ams.DSGVO can be used by internationally operating companies. It is used in the environment of the *ams.erp* client, where the data is processed.

9. Tools used by the manufacturer of the IT product / provider of the IT-based service:

No tools relevant for the evaluation were used. *ams.DSGVO* is however based on the Enterprise Resource Planning (ERP) software of *ams.Solution AG*.

10. Edition of EuroPriSe Criteria used for the evaluation:

The experts used EuroPriSe Criteria Catalogue, version January 2017.

11. Evaluation results:

ams.DSGVO is particularly effective in employee data protection, mentioned in Art. 88 GDPR and country-specific opening clauses such as the German § 26 Federal Data Protection Act or collective agreements under labour law.

*In order to process personal data of ams.erp in compliance with data protection law, it is necessary to have an overview of the personal data of the system at any time. Users can therefore specifically search for relevant data from the ERP via the ams.DSGVO and have it displayed. This supports the processes for the provision of **information according to Art. 12ff. GDPR** or the reply to **requests for information (right of access)**.*

*ams.DSGVO Tool mainly supports the **pseudonymisation** and **anonymisation** of personal data. The latter one is done by removing the reference table in ams.DSGVO from a previously locked and pseudonymised data set in ams.erp. This is equivalent to a randomisation, which is described in Working Paper No. 216, Chapter 3.1. of the former Artikel-29-A working group. Randomization is the term used to describe a series of techniques that distort the data in such a way that the direct link between the data and the person concerned is removed. In ams.DSGVO the falsification is done by the step of pseudonymisation. This involves replacing real personal data with random values (numbers, letters) in a random size range of 8 or more characters. Since the reference table still exists, this is not yet anonymisation. The table is then deleted, so that the weak points of randomisation mentioned in WP216 cannot be used. This is a complete anonymisation.*

The form of anonymisation of personal data using ams.DSGVO removes any reference information to a piece of data, which is equivalent to a data deletion. The Austrian Data Protection Authority recognised the basic recognition of an anonymisation process as a deletion process in its decision of 5 December 2018: "The removal of the reference to a person ("anonymisation") of personal data can therefore be a possible means of deletion in the sense of Art. 4 No. 2 in conjunction with Art. 17 para. 1 GDPR". In a position paper on anonymisation under the GDPR, the German Federal Commissioner for Data Protection also shares this view (available at https://www.bfdi.bund.de/SharedDocs/Konsultationsverfahren/2020/01_Anonymisierung-TK.html?cms_templateQueryString=Anonymisierung&cms_sortOrder=score+desc status 07/2020).

As the function in ams.DSGVO is a genuine anonymisation, which also no longer permits de-anonymisation, deletion is de facto implemented entirely in the sense of the supervisory authority's interpretation.

*The dashboard in ams.DSGVO displays all relevant personal data and can be removed by the user at any time from the view in ams.DSGVO and via the deletion mechanisms in ams.erp. The Retention Period field accessible via the ams.DSGVO dashboard is used to **define legal retention periods**, which can be precisely defined here by the user. The use is intuitive and easy to understand.*

*Data can also be compiled in ams.DSGVO for **data portability** (based on Excel or other formats that can be generated by ams.erp, such as XML).*

*The scope of data processing by means of ams.DSGVO is limited to those personal data, which are necessary in order to fulfil the purpose. The data concerned is displayed from the ams.erp as requested by the user. In principle, ams.erp only contains business-related data, although it cannot be ruled out that the aforementioned personal data may also be processed. ams.DSGVO supports **data minimization** due to functionalities of pseudonymisation and anonymisation. Despite the complexity of an ERP system the tool allows all tables and free text fields to be searched for the desired keyword/name, thus ensuring full pseudonymisation and anonymisation throughout the whole ERP system data and clarifying the scope of data processing for the user.*

*ams.Solution AG is the processor of this data processing when their clients (controllers) use e.g. remote support. It does not use any relevant subcontractors. The sample contract volume fully implements the requirements of Art. 28 DSGVO. **Technical and organisational** measures to secure all data are state of the art*

12. Data flow:

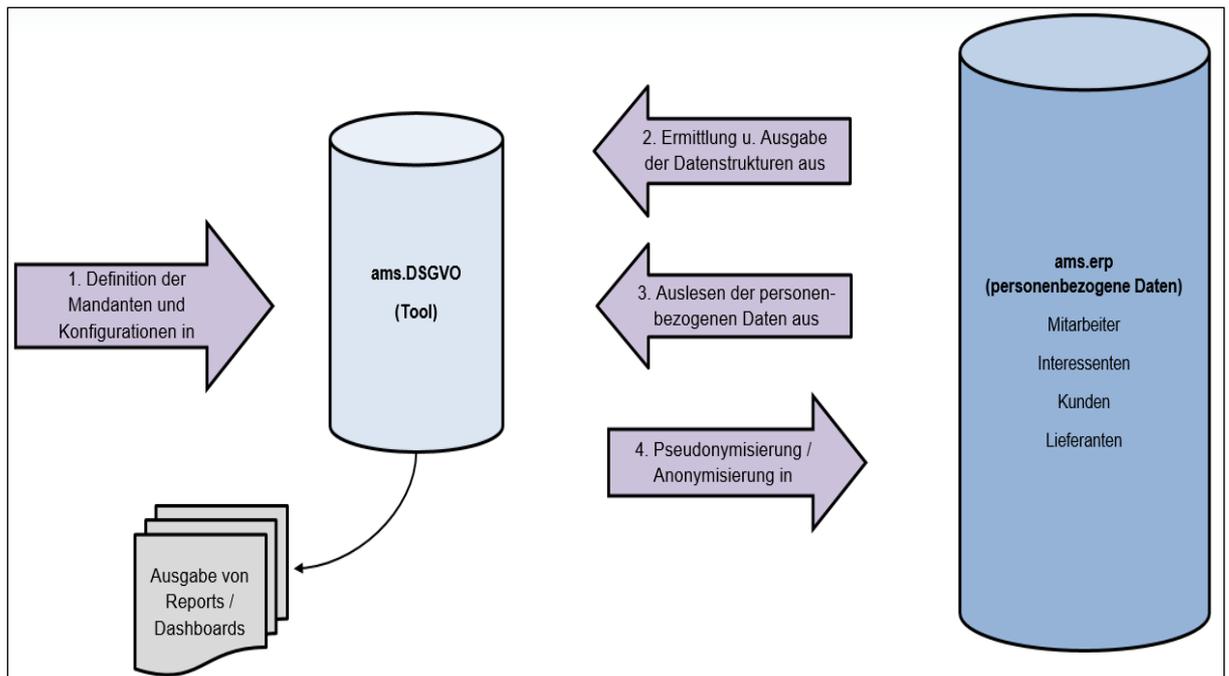


Figure 3: Data flow ams.DSGVO Tool

13. Privacy-enhancing functionalities:

ams.DSGVO is an additional tool for the ams.erp system that has been specially developed for the implementation of data protection rights in a sense of privacy by design. Early from the start of development, the tool implemented privacy enhancing functions such as request for information, the right to be forgotten as well as data portability, anonymisation and pseudonymisation.

The scope of data processing is tailored to the data required by the customers. It was established that ams.DSGVO serves the purpose of data minimization.

14. Issues demanding special user attention:

None.

15. Compensation of weaknesses:

There are no requirements assessed as “barely passing”.

16. Decision table on relevant requirements:

<i>EuroPriSe Requirement</i>	<i>Decision</i>	<i>Remarks</i>
Data Avoidance and Minimisation	<i>excellent</i>	The ToE is designed in a way that only the necessary, relevant data are processed. Although an ERP system such as ams.erp typically works with a lot of data, ams.DSGVO Tool can reduce this data to the bare minimum and support deletion processes by data anonymisation.
Transparency	<i>adequate</i>	Documentation and privacy leaflet are informative, up-to date and understandable. Using the tool is intuitive for users who already know ams.erp.
Technical-Organisational Measures	<i>adequate</i>	Organisational and technical measures on data security and privacy are the responsibility of the ams.erp user in his IT environment ams.Solution AG provides him with recommendations for optimal protection of the system and data.
Data Subjects' Rights	<i>excellent</i>	ams.DSGVO was especially designed for the implementation of the rights of data subjects. Furthermore, ams.Solution AG provides information on how to implement processes dealing with data subject rights and how to react on data subject requests in the privacy leaflet.

Experts' Statement

We affirm that the above-named IT product / IT-based service has been evaluated according to the EuroPriSe Criteria, Rules and Principles and that the findings as described above are the result of this evaluation.



Bremen, 2020-07-20 Alisha Gühr

Place, date	Name of Legal Expert	Signature of Legal Expert
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Bremen, 2020-07-20 Dr. Irene Karper



Place, date	Name of Technical Expert	Signature of Technical Expert
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Certification Result

The above-named IT product / IT-based service passed the EuroPriSe evaluation.

It is certified that the above-named IT product / IT-based service facilitates the use of that product or service in a way compliant with European regulations on privacy and data protection.

Place, Date	Name of Certification Authority	Signature
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