

A NEW VISION FOR SUPPORT ENGINEERING



EDITORIAL

We were at the 53th International Exhibition of Aeronautics and Space Le Bourget – Paris.

The least that can be said is eLSA excelled during 5 days.

We welcomed our guests with dynamism, we listened and heard their feelings, their projects, their questionings ... then we already started working on improving our solution well.

eLSA shared the bill with TEDI (Tool for Exchange and Documentation of Items), which was also not unworthy of interests and demonstrations.

After few vacation weeks, we will have the pleasure to meet you at the FED (Forum Entreprise Défense) at Satory – Versailles in October 2019 to make you test new functionalities of eLSA and TEDI in the field of Land Force !



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INTERNATIONAL PARIS AIR SHOW 2019



LGM Group was at the International Exhibition of Aeronautics and Space Le Bourget – Paris from June 17th to 23th.

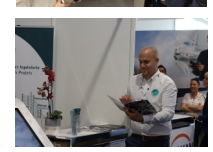
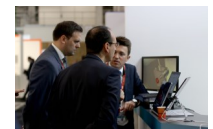
For the entire week, we organized different workshops, conferences and shows on our know-how and business expertise.

In total, over 40 collaborators have relieved each other to insure presentations throughout the whole week.

CONFERENCES AND SHOWS

LGM Group's 40 sqm space has been put five great themes together in link with concerns of today and tomorrow. This year was given pride of place to developed solutions by and for LGM Group and its customers.

- **Digital continuity of support engineering**
 - ELSA : Logistic Support Analysis Solution
 - TEDI : Tool for the Exchange and Documentation of Items
 - EVE : e-documentation viewer
 - Ergonomic illustrated Parts Catalog on 3D model
- **IOT and predictive maintenance**
 - MOKA : IoT solution on predictive maintenance to optimize the exploitation and the maintenance of your systems and assets
 - CINDY : CMMS Solution and Fleet Management
 - ADEO : Augmented Documentation for Extended Operator
- **Industrial performance :**
 - STORM : Logistic workload management tool
 - CRAFT : Projects' financial objectives monitoring tool
 - EMOS : Items usage securisation Tool
 - PRISM : Management of LSS investments in industrial assets
- **Safety electronic engineering**
 - Embedded Network : conception, expertise, validation
 - Conception of specific test benches
 - Production : manufacturing of small and medium sets of electronic boards and test benches
- **Training experience**
 - Training Engineering : process analysis and tool , training plan,
 - Medias : E-learning, 3D animations, virtual sessions, motion design, ...
 - Virtual reality : VR simulation for maintenance and system presentation
 - Extended reality : interactive simulation for Ferrari presentation on a tablet



CONFERENCES AND SHOWS



NEWS



TECHNICAL FOCUS

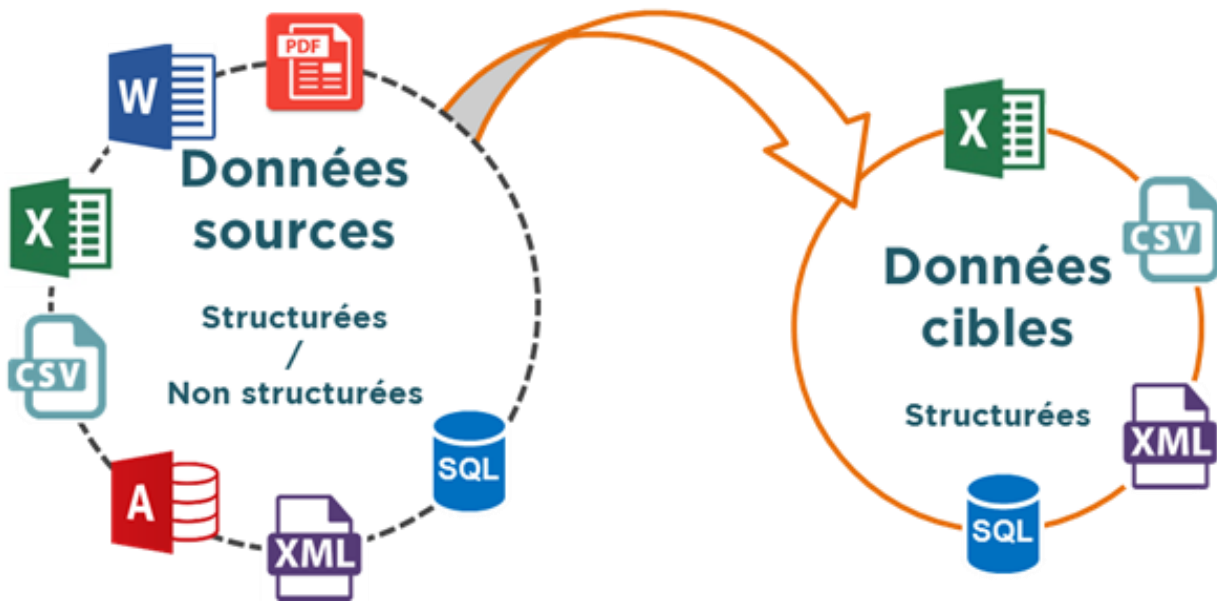


EVENTS

Conference – Data Management : transformation of your technical datas

Our knowledge and expertise materialize with data and information. Consequently, we need more and more to give structure to technical data to better operate and share it with our customers, our partners, our suppliers, and to better guarantee its consistency ...

Discover our data transformation and multi-standard solutions (for example : transformations of Word information records into S1000D 4.1)



Thanks to our great knowledge in Documentation Engineering, Support engineering & ILSILS, RAMS (Reliability, Availability, Maintainability, Safety) and System Engineering , we can analyze your application datas (technical datas) and specify their transformation :

- ATA2200 to S1000D
- 1388-2B to S3000L
- Word to XML
- ...

Our Data Management specialists perform data transformation by working with many constraints of input and output standards, for an optimized cost.

To get more information, your contact :

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DATA MANAGEMENT

CONVERSION DE VOS INFORMATIONS TECHNIQUES



Nous mettons à profit une grande expertise en ingénierie documentaire, SIL, Maîtrise des risques et Ingénierie Système pour analyser vos données métiers (Informations techniques) et spécifier leur conversion :

- ATA2200 vers S1000D
- 1388-2B vers S3000L
- Word en XML

Nos spécialistes en Data Management réalisent les conversions en s'adaptant à de nombreuses contraintes de formats d'entrée et de sortie, pour un coût optimisé.

NOTRE OFFRE

- Vous accompagner pour le partage, l'exploitation et la validation de vos données. Informations techniques et restructuration de vos savoirs et savoir-faire, en les structurant à partir de livrables multi-courants, multi-formats, à qualifier...
- Cartographier vos données, spécifier les conversions et vous livrer les données de sortie aux formats cibles.

NOS DIFFÉRENTES POSSIBILITÉS DE CONVERSION DE FORMATS





CONFERENCES AND SHOWS

Conference – IoT and predictive maintenance to serve the system availability

IoT, HUMS, data analytics, predictive maintenance... As many subjects which create debate for many years already.

The Maintenance Oriented by Knowledge and Analytics (MOKA) offer caters the predictive maintenance issues. The main objective is to optimize the exploitation and the maintenance of systems and assets (vehicle, industrial machine, capital goods, infrastructure...) by a complete control of the system use and by execution of a Data Analytics process.

The LGM Group accompany you in the HUMS conception and deployment in order to collect field data. Co'Sense sensor is adapted to your system and monitor the usefull information. Coupled with multiple system sensor and Co'Sense sensor, the gateway Hub'Sense gathers and pre-processes sensor data before being transferred to the database.



The Data Lab with our big data expertise allows the integration of all your data and the establishment of wear diagnosis patterns. All of these informations and key indicators are available on help-with-the-decision application.

MOKA meets your needs by accompanying you step by step from the specification to the exploitation of your datas.



To discover our aeronautics use case : <https://youtu.be/2TRimZ1CkqA>

To get more information, your contact :
Sébastien COGNAC—sebastien.cognac@lgm.fr

ELSA AND TEDI DID A REAL PERFORMANCE



During the BOURGET exhibition, eLSA and TEDI delivered quite a show in our demonstration area dedicated to Digital Continuity of Support Engineering.

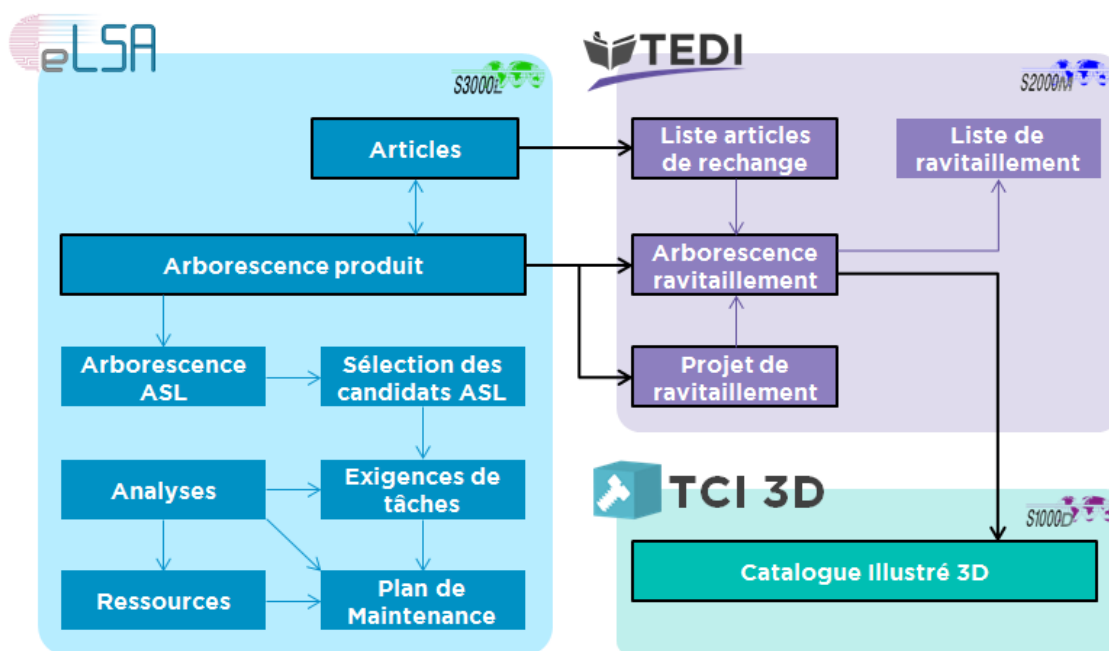
The eLSA's younger brother did its first appearance during the BOURGET exhibition. Real continuity in the ASD process, TDI allows creating, specifying and producing the overall supply items, while respecting the S2000M specification.

Thereby, your supply experts can be accompanied to make spare item lists as well as projects, provisioning breakdown and provisioning lists. The whole storage information (dimension, weight ...), supply (period, suppliers, ...) and pricing (quantity/price ...) information are centralized and can be shared with others projects.

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The power of the ASD, and consequently of eLSA and TEDI, is the digital continuity of the support information. To ensure the data consistency all along the process, it is the database defined by the LSA team itself which feeds spare item lists. As for the product breakdown, it allows to feed the project and the provisioning breakdown view. Icing on the cake, this last one feeds then the 3D TCI which allows visualizing the illustrated 3D catalogue.

For a better understanding of the relationship of our three tools, nothing better than a clear schematic! (black links represent data exchange links)



To get more information, your contact :
 eLSA : Alexandre TOUCHOT—alexandre.touchot@lgm.fr
 TEDI : Alexandre BEN HAMOU—alexandre.benhamou@lgm.fr



TRAINING : INTRODUCTION TO S3000L

NEWS

TECHNICAL FOCUS

EVENTS

LGM, training organization, prepare from the 23rd to the 25th of July 2019 a new session « Introduction to S3000L specification » animated by Arnaud AUDOUIN, one of our ILS expert, in our Velizy premises.

The goal of this training is to figure the S3000L's benefit out of the ILS evolutions. The training runs over 3 days : the first day is dedicated to LSA management and process, the second day deals with analysis and opportunities that can be capitalized from the process as described in the specification and the last day deals with the data model and possibilities it can provide.

This session will be added with examples and practical use cases, gained through LGM experience over the specification usage and with a concrete application using the eLSA tool solution.

To look at the detailed program : [Click here](#)

To inscribe or to get more information, please contact :
formation@lgm.fr - 01 30 67 08 82

CONFERENCE DOCUMENTATION AND DIGITAL CONTINUITY

LGM DIGITAL organizes its morning conference « Documentation Engineering » on September 24th 2019 in its company headquarters, VELIZY VILLACOUBLAY (78).

On the program, workshops and presentation of use cases with shows.

- Modular Structured Technical Documentation Methodology : Audit, BREX, authoring, editing, publishing,
- TEDI : (Tool for Exchange and Documentation of Items) for provisioning data management,
- (semi) automatic data migration,
- Word Modular, S1000D, DITA, ...
- Electronic Documentation Viewer EVA and EVE
- 3D Catalog and Anim3D
- Digital documentation « end-user » on different type of support (smartphone, tablet, others ...)

Are you interested in being part of this morning ?

Please contact :

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