



Applied Knowledge



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T.consult is born to be excellence



Focusing on a specific scope, to build its own unique skills, a mature level of reliability preparation and establishing itself in the market from a world leader in selective market as that of the aerospace and defense: This is the strategy that has guided the evolution of T-consulT, an Italian software house, a start-up founded in 2009 by an idea of Paolo Caliri.

It is a reality that builds the value of its offer from the applied research, the relationship with the University, strengthening the quality and excellence already acquired by measuring the needs of large customers in the Defence domain.

T.consulT has an offer that is characterized by innovation, specificity and uniqueness in the market.

THE IDEA AND ITS OWN APPLICATION



Some manufactures have a short life, others must take a long time: we do not expect a product widely used will be operative for a lifetime, but will not be feasible to replace a turbine at the first incident.

Some products are relatively simple, others are very complex: a bicycle must be taken with care, but keep an engine in operation requires a different activity.

Some systems may have some failures, or burn out, others need to be operating: a failure to our car should not happen, but it the possibility that we are willing to accept; different is the

case for an aircraft, an excavator or a ship.

There are equipments, environments characterized by complexity and a high value.

These are items such as engines, equipment, systems made to last, but that to be maintained in good operational activities require sophisticated maintenance and logistic support with interventions on components or combinations of elements that can be executed only from a proper configuration management of these systems.



For manufacturing companies address these needs has become an inescapable challenge, driven by increasing pressures such as the improvement of product quality and service, reduced costs of design and production, the compression of time to market, the ability to continuously innovate its offering.

When such a system leaves the production lines, enters a life cycle with a periodically interventions upgrade, replacement and integration with other systems and components.

Is a complex cycle

which requires a coordinated planning of maintenance, tracking the evolution of delivered configurations, supply of spare parts, management of

possible retrofit cycles, a scenario which starts with the configuration control and extends to the processes of collaborative logistics support with third-party suppliers and partners, because each element is interconnected in a network of integration and mutual dependence.

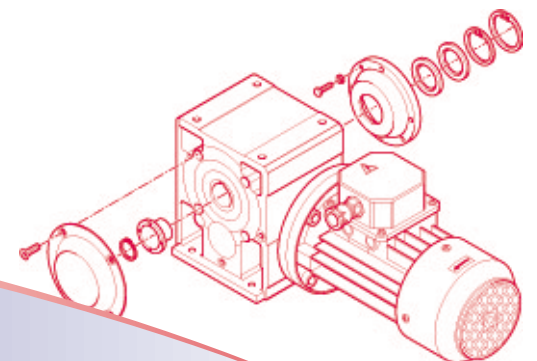
By a proper configuration management activities, depend processes such as: maintenance, modification, procurement and logistic support.

How to organize, how to plan, how implement by reducing the direct and indirect costs?

With a software to manage the activities of Configuration Management and Logistic Support, an application that is downstream of solutions dedicated to aspects of design

and production, an application that inherits and makes all homogeneous the information, such as BOM, and operates in a dynamic way, updating, with respect to all the activities affecting the evolutionary of complex system during its operational life.

Here is the offering of solutions developed by T.consult: support processes and activities of Configuration Management to manage, in a dynamic and integrated way, the logistics support of delivered products and systems for the entire "After Sale" life cycle, whatever their specific feature.



*We must move from one corrective operating mode to one of continuous improvement:
manage the configuration of the product effectively, it is an essential step in this direction.*

ENGINEERING KNOWLEDGE TO A PRODUCTS LIFE CYCLE CONTROLLED AND MANAGED



T.consult support companies in managing automated processes that ensure the maintenance in operational condition the delivered Configuration of systems and equipments.

T.consult solutions are included in the processes of post-production and after-sale as part of systems for Product Information Management, Configuration Management and Logistic Support

Formalize and extend the processes of configuration management means improving the quality of products. Use the right tools to enable those processes, means attach to quality the profitability.

In what environment are designed and implemented these solutions? In the most demanding, difficult and specialist: the Defense market. With T.consult solutions (under the ISO 9000 and AQAP 150) are maintained in operating the FASF missile systems, flagship of the European Air Defense. From the Aerospace and Defense market, the T.consult solutions have been adopted by leading manufacturing companies.

T.CONSLT SOLUTIONS

MAIN MARKETS

Aerospace & Defense
Automotive
Shipbuilding
Appliances
Cosntructors
Industrial Machinery
Transportation

T.consult has developed a series of applications of Product Information Management, Configuration Management and Logistic Support to manage the activities related to the Integrated Logistic Support; solution of excellence in this area is NOVA Suite, an open framework, adaptable and integrated with heterogeneous applications.

The offer of T.consult is complete with solutions for managing spare parts catalogs and product documentation (EASY Suite: spare parts catalogs, product catalogs and technical manuals).

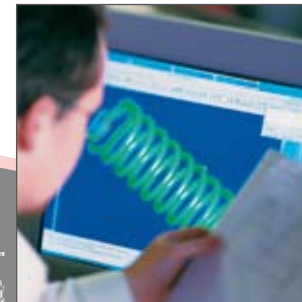
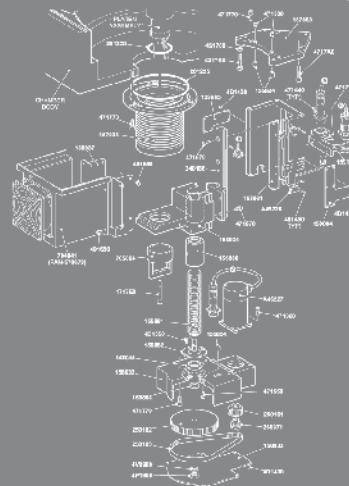
The applications are based on an open, modular, scalable and independent architecture, able to be integrated with different applications and platforms and supports open standards, recognized worldwide, such as J2EE, Java, XML Schema, DTD, XSL, Web Services and SOAP.
we are talking about solutions ready to use and customizable according to customer needs.

T.consult, either directly or through the network of its partners, also offers consulting services, installation and integration with existing solutions at the customer, to accompany the companies through all stages of a project's development, from processes analysis to installation and training.

SOME REFERENCES

NATO
EUROSAM
Marina militare francese
Marina militare italiana
Aeronautica francese
THALES Air Systems
Alenia Marconi System

Contraves
Esercito Francese
Esercito Italiano
OM China
OM Carrelli Elevatori
Riello Group
Prima Industrie



NOVA SUITE

NOVA Suite (Network Oriented Virtual Application) is a software application that automates the management of the "After Sale" life cycle of complex products and systems. NOVA Suite covers all processes of an OEM in the management and control of the As-Delivered / As-Maintained Configuration, through verification of the applicability of changes due to ECO (Engineering Change Order) and the management of the related Retrofit cycles. The result of a Configuration Control process impacts on the ILS through the update of all data needed for the Logistic

Support processes (Repair/Replacement, Spare Part and Field Assistance).

The Suite allows to align, both, the data of a basic product (defined in the Applicable Baseline Configuration) with the configuration produced (Applied Configuration) identifying differences in order to take corrective action, if any.

The suite allows an OEM to create a "bridge" towards its customers need to manage the tracking of changes during the entire life cycle.

It is a customizable framework of applications in client / server, also accessible via WEB. NOVA Suite was developed based on J2EE technology that enables the architecture to be: open, scalable, flexible and modular, and to integrate heterogeneous applications using standard XML Connector and / or specific adapter.

NOVA Suite allows user to manage the As-Delivered Configuration with the final goal to track and verify the applicability of product evolutions.

Retrofit cycle are managed to apply the verified change with respect to the customer need and to the product evolution.

NOVA Suite allows user to track the changes associated to the technical documentation (specifications, drawings, tables, software documentation, manuals etc.), or to align informations related to the maintenance and technical assistance, the logistics activities (spare parts, inventory availability, timing, Etc.) activities for supply of materials (alternative and interchangeable).



EASY SPARECAT

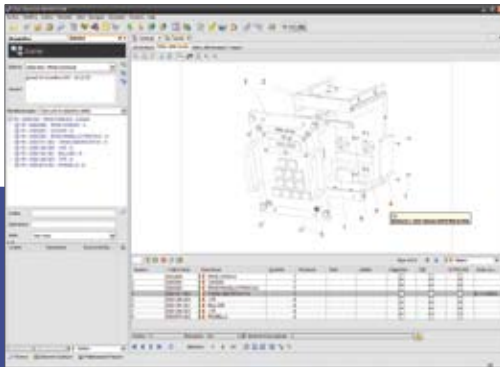
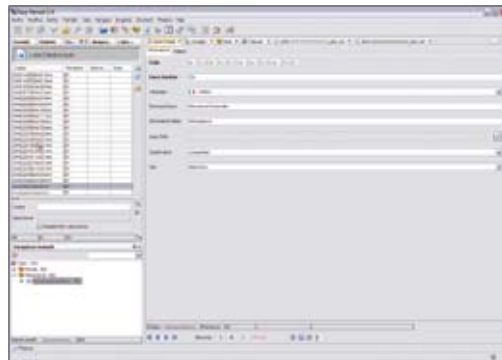
EASY Suite solutions are born from the same approach that characterizes NOVA Suite and are derived from this, packaged application modules targeted at best practice focused on individual aspects.

EASY SPARECAT is a multilanguage product developed for manufacturers who need to manage spare parts in a dynamic and constantly updated mode.

The solution allow to create, publish and maintain the Illustrated Spare Part Catalog

from the creation of tables that supplement the technical drawings and the production BOM.

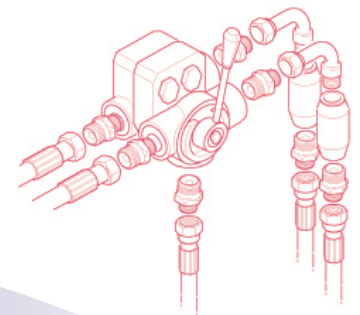
The result is greater efficiency in management of after sale process and an increase in revenues for the spare parts.



"After 12 months the introduction of the solution EASY SPARECAT of T.consult, the result is very positive.

The time for the publication of the new catalog has been drastically reduced, eliminating many manual steps where it was easier to make mistakes. Punctuality and precision are appreciated by our dealers, customers and the technicians performing the maintenance of our forklift trucks, which now, thanks to integration between SAP and EASY SPARECAT can fill orders for spares, through the selection of the parts via WEB"

*Donatella Germani
Responsabile Area Post-Vendita – Servizio Assistenza Tecnica – Documentazione Tecnica
OM Carrelli Elevatori*



Why T.consult ?

For a large organization, control and manage the configuration of complex equipment, plant and systems means optimizing the maintenance and logistical support, while ensuring a sustainable life cycle.

Needless to say that this translates into substantial savings of resources and time (cost reduction), as well as a visible return in terms of operational efficiency (increase in operating margin) and the level of service towards their customers (loyalty).

For a manufacturing company have a system capable of automating the documentation produced by integrating the technical drawings with a separate production BOM is a way to optimize the work and to save resources, and can turn in point for the development of innovative maintenance services of equipments and for the distribution and sale of spare parts.

Tconsult solutions provide a rapid return on investment and allow you to reach new levels of efficiency and value for money.

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