

Press release

Maximum efficiency in asset maintenance

- ▶▶ *IK4-TEKNIKER is developing tools in collaboration with the engineering firm Sisteplant to make it possible to optimise and plan maintenance tasks*
- ▶▶ *In order to minimise costs, one of the solutions compares different maintenance strategies aimed at implementing the most suitable and profitable option*

(Eibar, Basque Country. 23 May, 2019).- New demands productivity, availability and safety in the industrial sector have inspired companies to look for new solutions that enable them to improve their products and processes, especially in the area of maintenance and operations.

It is estimated that the indirect cost of performing maintenance tasks for an industrial company ranges between 4 and 8% of its total sales, a very significant amount that has forced this sector to explore new more efficient techniques.

In this search for efficiency and competitiveness, companies are focusing on preventive and predictive maintenance strategies rather than traditional corrective actions, with the aim of maximizing results and minimizing expenses.

In this context, IK4-TEKNIKER has developed together with Sisteplant, an engineering company whose main activity is the optimization of productive, logistical and organizational processes for different sectors, **several flexible tools which can adapt to the demands and objectives of their clients** in their search for the best maintenance and operations strategy, always taking into account financial profitability.

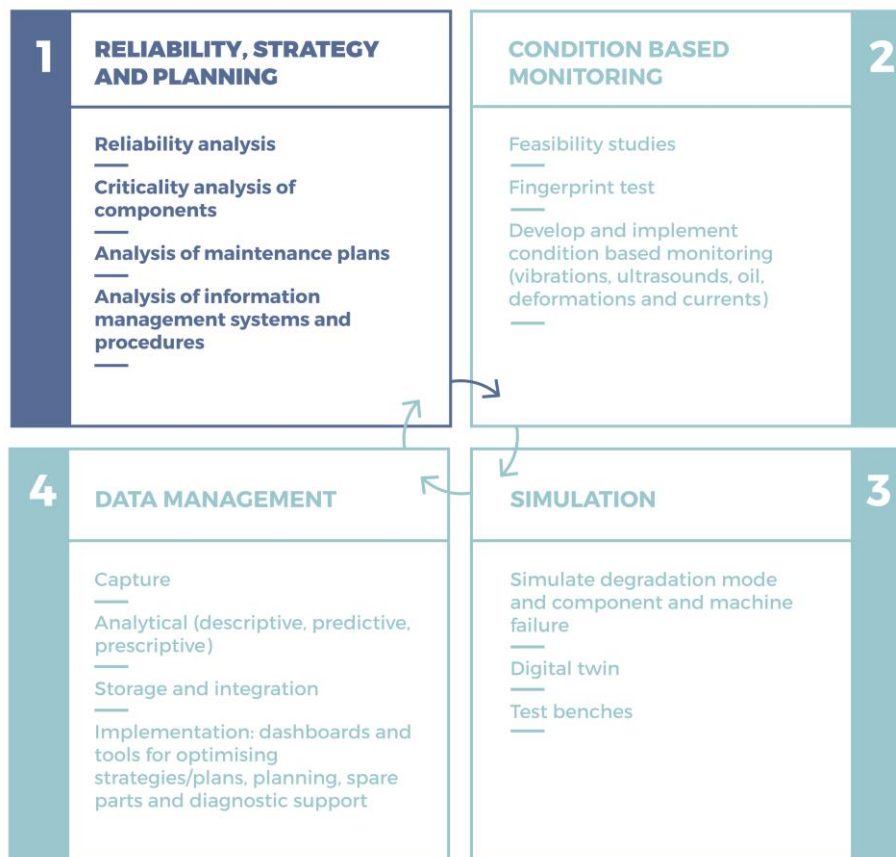
Specifically, one of the software tools **compares different possible maintenance strategies (strategic planning and optimization in the use of assets) to help choose the most appropriate one and, thus, optimize costs.**

In addition, tools and algorithms have been developed for the optimization of maintenance tasks and the management of spare parts. These tools include algorithms to help in the calculation of asset risk factors, spare part optimization, material stock calculations and, lastly, multicriteria optimization algorithms of the maintenance plan's tasks and scope.

Thus, IK4-TEKNIKER has developed a new module for comparing maintenance strategies integrated with Sisteplant's Prisma maintenance management solution, to carry out strategic maintenance planning and the development of tools for the optimization of maintenance tasks and spare parts management.

Asset Management Solutions

These tools are based on IK4-TEKNIKER's **Asset Management Solutions** and **specifically** on the part of **reliability, strategy and planning**, which can be customized according to the needs of each company to define their improvement needs and specific objectives.



Concerning IK4-TEKNIKER

With more than 35 years of experience in applied technology research that has been transferred to companies, IK4-TEKNIKER has achieved a high degree of specialisation in four major areas (Advanced Manufacturing, Surface Engineering, Product Engineering and ICTs). This means that its cutting edge know-how has been made available to customers to meet their requirements.

Further information

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