Cadmatic Point-Cloud Integrations Bring Efficiency Gains in Italy

Cadmatic has been present in Italy since the mid 1990's. In recent years there has been growing interest in Cadmatic 3D solutions in the oil &gas, chemical as well as the food and pharmaceutical industries. Net Engineering Ltd is the Cadmatic sales and support centre in Italy and has been active in promoting the software solution. Mr Gainluca Ricozzi from Net Engineering and Mr Sami Koponen from Cadmatic have undertaken several road shows and attended exhibitions in Italy in recent times. Mr Ricozzi highlighted two recent customer projects for Cadmatic News.

ICEA implements Cadmatic

One new customer in Italy is ICEA. It is multidisciplinary engineering consortium that operates mainly in the areas of industrial chemical and petrochemical plants, refineries, pharmaceutical plants, power plants, solid waste, water treatment and desalination plants. ICEA offers a complete and integrated range of services, from engineering to start-up activities. The company uses the most up-to-date information technology support, which enables them to work on an Intranet database shared by the whole staff and have access to technologically advanced software.

Laser scanning solution with Cadmatic integration

ICEA is using the Cadmatic laser scanning integration feature on a complex revamping project. The project is being done in Taranto Italy at ILVA, one of the biggest siderurgic plants in Europe. The project consists of interconnecting a new oxygen production plant and an old plant, with a pipeline that runs up to 300 m in the old pipe-racks and structures. From an engineering perspective, the best solution had to be found to connect up to 20 tie-in points, and in some cases with particular and really expensive types of pipes.

To optimize the project, ICEA decided to use laser scanning as a means of dealing with the above-mentioned challenges. It is the only possibility to have a real as-built situation, considering also that the plant didn't have any piping lay-outs updated. The project has taken 4 months and the survey time was reduced to 5 days. This has had a significantly positive impact on the optimization of the project and the keeping to tight time schedules.

Good results achieved with Cadmatic system

The ICEA Project Engineer for the revamping project, Mr Salvatore Bocchetti, has more than 30 years of engineering and design projects. He has, however, been pleasantly surprised by the good results they have

Gianluca Ricozzi, Managing Director of Net Engineering is the Cadmatic Representative in sunny Italy

achieved with the Cadmatic system. "My previous experience in revamping projects such as this was completely different. Usually I have to spend a lot of time doing manual surveys and the data produced does not come close to that which you can achieve with laser scanning. The possibility to use tools like these offered with the Cadmatic integration of 3D engineering and laser scanning 3D survey, have given us the possibility to keep to the schedule and to propose solutions that satisfy the personnel in the plant's technical office. Cadmatic software has also given ICEA the possibility to simplify the project management of the main contractor, Air Liquide - Paris, with the use of CoDesigner and Plant Agent. They have been impressed with the user-friendly interface and the transparency in the use of the site-to-site link. It has surpassed the capabilities of other software solutions they had previously used for similar purposes", Mr Bocchetti explains.

SAPIO implements Cadamtic for oxygen and hydrogen plants

Another new customer in Italy is SAPIO. The company operates 15 production oxygen and hydrogen production plants. SAPIO chose Cadmtic in a test project to follow and review the project with a Cadmatic eBrowser model that had been created using laser scanning and Cadmatic software, as well as the interface to the maintenance software. Net Engineering will act as the main contractor and has chosen Italian IB Informatica as their partner for the maintenance software. SAPIO will integrate the solution in all their plants.

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