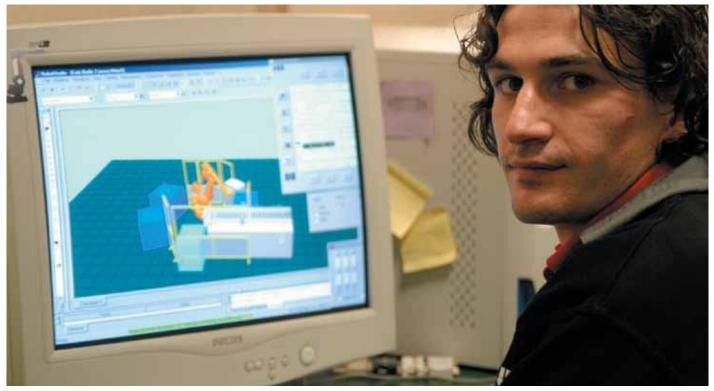# RobotStudio™
Case Study: Evolut Robotica applicata

Evolut delivers robot systems all over the world, every one of them are programmed offline in RobotStudio.

Evolut, an Italian system integrator with the objective of resolving what ever their customers' necessities are with sophisticated robot solutions.

Important changeover

More than a hundred integrated robots per year makes Evolut one of the biggest robot integrators world wide. Evolut has been using ABB robots since the start in 1990.
"The fact that ABB robots are easy to use and has a wide range of applications influenced our decision", says Franco Codini, CEO and founder of Evolut S.p.A. Robotics.

Evolut has been using RobotStudio for two years now. The implementation of RobotStudio was made step-by-step. All engineers have been involved in the changeover from online to offline programming and the implementation of the software have been smooth. Today all robots that leave Evolut are programmed offline in RobotStudio.

Risky online programming

Before Evolut started with offline programming in RobotStudio their robots were programmed online. The online programming included a lot of risks especially when it came to the design stage. Programming was fairly drawn out and complex. "Our engineers were running the risk of finding themselves halfway through the installation at customers site with a system needing to be tuned or reprogrammed in its most crucial stages. This meant that our engineers spent a lot of time at customers site during the installation stage which resulted in a lot of production stoppages for the customer.", says Franco Codini.

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Optimization of resources

"RobotStudio allows us to optimize the resources dedicated to our robot systems. We use RobotStudio throughout various stages from sales to implementation. RobotStudio helps us to save at all levels", says Franco Codini. When it comes to sales Evolut always provide their customers with a three-dimensional layout in RobotStudio. With RobotStudio feasibility and cycle time can be verified from the very beginning. This definitely ads value when presenting the solution to the customer. RobotStudio is not only used in the sales department but also in the technical department where it's used to design grippers, verify spaces and to accurately establish the cycle time. "During the system implementation the programmer uses RobotStudio to effectively create the program, verify all its steps and the cycle time. With RobotStudio all the possible risks related to integration can be eliminated, often even before the system is assembled at the customers site", explains Franco Codini.

"For Evolut RobotStudio means productivity". Franco Codini, CEO and Founder.

Programming time go halves

"We experience great benefits from the sales standpoint. In the initial stage we can provide the customer with better services, details of the installation and also, obviously, provide a more detailed quote of the installation, since the design is more accurate. During the design stage in the technical department and the implementation stage, the main benefit is time; shorter development time and time saved because we don't have to debug and fix errors", says Franco Codini and continues:

"RobotStudio allows us to cut programming time all around. Clearly, this is more noticeable in medium and high complexity applications. In the stages where engineers spend more time on programming, we've even managed to cut time by around 50%, if not actually more in some cases.".

Customer satisfaction

"RobotStudio eliminates the risk inherent in projects. This is a major improvement. We avoid risks, we see far fewer errors and therefore less expenses from reworking mechanical projects. To the obvious satisfaction of the customer our engineers are often able to find more competitive solutions" assures Franco Codini.
Evolut also have clients who use RobotStudio for offline programming. With RobotStudio they have the possibility of replacing and creating new programs offline without having to stop the production line. "RobotStudio has obviously created a favorable situation for Evolut and our customers especially when it comes to quality issues and production improvement", concludes Franco Codini.

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