



Cristina Ghioldi and Giuseppe Giardina

a department and an entire plant. We also provide all the necessary documentation, created with the Eplan P8 electrical design software, in addition to software specification, safety documentation and certifications” clarifies the deputy manager. With G2 being oriented to the future and innovation, over the years, youth and “strategic” resources have been added to the expertise of its founders, one of these resources being the engineer Giuseppe Giardina, the operations director who has fully embraced the company philosophy, based on technically advanced products and providing immediate response to the customer. “Today, short delivery times are a must and we manage to fulfil all orders quickly. Besides, our primary goal is customer satisfaction” specifies Giardina. And there

dance with current international reference standards IEC, but G2 is also able to take on projects in accordance with Canadian Csa or American UL regulations. The actual UL certification awarded by Intertek (c.n.5001719) has been very important for G2, which is going to be focusing on the Usa market. The G2 team dedicated to the development of software for industrial automation uses the latest programming languages and technologies that reduce development time, cost of deployment and maintenance of applications. The implementation of human-machine interfaces and control and supervision systems within the industrial sector have always been a vital component of G2’s activities, while Plc programming is a real strong point, with the development of applications for the majority of

ced, for maintenance scheduling and to circulate a range of information aimed at improving and enhancing productivity, reducing human intervention, which works remotely. To be precise, G2 will develop an even more advanced 4.0 oriented human-machine interface. In fact, the efficiency of the entire production plant depends on the immediacy of Industry 4.0 Hmi and software. A further step towards the future will be a wider dissemination of technology with Plc-Safety, to address markets where safety is very important. The safer the system, the less likely a dangerous malfunction will occur. This concept is the basis of En Iso 13849-1 with which an objective evaluation parameter, the PL (Performance Level) and the related validation by calculation have been introduced. G2 is also able to

## Industry 4.0, the new frontier of automation



*Project customisation is the key  
to great results*

The best technology combined with a fast, accurate and flexible service, moulded to the needs of the customer. But not just that: a young and dynamic team, competent and skilled technicians, as well as first-rate components and materials: this mixture is G2’s winning formula, ever at the forefront in the design and construction of electrical panels for industrial automation. “Ever since I founded the company, in 1969 I have always been focused on kee-

ping up with the times, constantly investing in new technologies and excellent resources - , says Giosué Ghioldi, president and adds -the first big turning point for G2 was the acquisition of a major customer, still present today, which is the Cannon Group, a multinational company that provides various types of industrial systems”. Another important moment for G2 was in 2002 when Cristina Ghioldi, daughter of the founder and current deputy manager, joined. She welcomed us in

the company immediately showing us the efficient workshop, where the assembly, wiring and thorough testing of the electrical panels and finishing are carried out. “We are able to follow the designing of control systems starting from the simplest, to the most advanced, with Plc and Pc logic from the most well-known brands in the world. We can also develop panel lines connected to each other with Pc automation, Hmi human-machine interface, and supervisory and control systems of

is good reason for this; the customisation of each project is one of G2’s great strengths. “We offer ourselves as a partner, working alongside the customer to solve all the problems of an electrical or technological nature, focusing on plant and machinery safety” emphasises Cristina Ghioldi. That’s why the company invests heavily in continuous staff training: not just technical training, but also keeping them updated on regulatory compliance. In fact, the designing is carried out in accor-

Plc platforms on the market. But how does the future look for a dynamic and forward-looking company like G2, what are the objectives? Engineer Giuseppe Giardina provides a comprehensive response: “We are aiming for an even greater role within industry 4.0, a process that will lead to industrial production which is completely automated and interconnected, since all the machines will be equipped with sensors. This “dialogue” is used to signal malfunctions, of the parts produ-

provide both the calculation and the verification and validation of the application software. G2, therefore, is a solid company, in which confidence, optimism and momentum towards the future play a leading role. The owners conclude: “We not only offer ourselves as partners to our customers, but also to national and International companies wishing to evolve through innovation. We are proactive and open to new things, but above all, as stated in our payoff: “Always on!”