

A serene landscape featuring a calm body of water reflecting a range of mountains in the distance. In the foreground, a wooden dock extends into the water, with a black metal chair positioned on it. The scene is peaceful and evokes a sense of tranquility.

Our competence for your entry into the Industry 4.0

Company presentation

bfa solutions ltd is a independent Swiss company with a branch office in Limerick, Ireland. As an independent company, we have national and international connections and work together with notable system engineers and machine suppliers.

Since the foundation in 1981 our focus is on the optimization of the manufacturing process in the industrial field.



Company presentation

An experienced team knows the mechanisms of modern technologies. Our self-perception is based on the highest standards of quality. Reliability, loyalty and flexibility distinguish us from others.

Our subject areas include project management, analysis and design up to the servicing and maintenance of systems. This holistic approach enables solutions anywhere from machine controls to ERP interfacing and rewards us with the sustained satisfaction of the users.

Location

bfa solutions ltd is located in Fällanden close to Zurich. The distance to the international airport of Zurich is only 14 km.



«Smart Automation Group» technology partner

Since the beginning of 2018 we are partners of the Smart Automation Group. Thanks to this membership we have access to a world-wide network and its availability of sales, development resources and support and services.



Sales partners

Company:	Partner in Plastics, Mr. Peter Hotz
Countries:	Belgium / Netherlands / Luxembourg
Sector:	injection molding, specialized in packaging
Company:	Plastech Solutions Ltd., Mr. Daley Williams
Countries:	UK / Ireland
Sector:	injection molding, fitting, service and support, specialized in packaging and medical
Company:	Saxe Hansen A/S, Mr. Ulrik Gert Nielsen
Countries:	Denmark / Sweden
Sector:	injection molding, specialized in packaging and medical

Milestones – the first company years

- 1995: Sales Partnership IDT / Eaton Electric Sale of visualisation units and support
- 1993: Complete control level under OS/2 for engine foundry in Germany
- 1992: Establishing bfa Ireland Ltd for software development
- 1989: Relocation to larger office space in Schwerzenbach
- 1988: First master computer installation in the food sector on the basis of IBM OS/2
- 1982: Growing core competencies in the fields of PLC programming
- 1981: Founding of bfa as company with sole proprietorship by Mr Jacques Boeniger

Milestones – Standardisation

- 2009: Acquisition of software support and service of automation systems of the IMA Automation
- 2006: Very first installation of an industry solution in plastic injection moulding and assembly automation
- 2005: Certification for ISO 9001:2008 standard
- 2004: Upgrading existing customers to new MES platform PiSolutions
- 2004: Starting point for the development of MES PiSolutions
- 2003: Founding of the incorporated company bfa solutions limited

Milestones – Internationalisation

- 2018: Collaborative partnership with Smart Automation Group and expansion of our sales, service and support network.
- 2017: New development of MES/HMI/IoT solutions
- 2016: Realisation of OEM solution on the basis of MES PiSolutions for market leaders in the indexable insert grinding field
- 2015: Relocation to more modern office premises in Fällanden
- 2012: Presentation of the mobile PiSolutions solution at Automatica and Fakuma trade fairs
- 2010: Jacques Boeniger Chairman of the Board and Beat Kämpfer Managing Director
- 2010: Active market cultivation in injection moulding and installations in Germany, France, Italy, the Benelux countries, USA and Asia
- 2009: First installation of an industry solution in plastic injection moulding at an international group in the medical sector

Competence

MES PiSolutions

Thanks to our MES competence we realise sustainable solutions for our customers.

Automation Engineering

As an experienced partner we support you in making the machines of the future more intelligent and efficient.

Software Engineering

Topics, such as smart factory, IoT or digitisation, have always been part of our core competencies.

MES industry solutions

PiInject

Industry solution for plastic injection moulding

PiAssembly

Industry solution for assembly and test automation

PiGateway

Transparency during production for all machines

PiOEM

In collaboration with the machine manufacturer to a smart machine

Technologies Automation Engineering

Siemens

- ✓ S5
- ✓ S7-200
- ✓ S7-300 und S7-400,
- ✓ S7-1200, S7-1500
- ✓ Sinamics, WinCC

Rockwell Automation

- ✓ SLC 500, PLC5, PLC3
- ✓ Controllogix, Compactlogix, Guardlogix
- ✓ Kinetix5000
- ✓ Panel View

Bosch Rexroth

- ✓ IndraLogic XLC
- ✓ IndraMotion MLC / MLD
- ✓ IndraMotion MTX (CNC)
- ✓ SafeLogic
- ✓ Open Core Engineering

CoDeSys

Projects with controls based on CoDeSys V2 or V3.

Technologies Software Engineering

Platforms	Windows Server, Windows 10, Windows 8, Windows 7
Process model	SCRUM, project specific adapted unified process
Frameworks	Microsoft .NET Framework, Entity Framework, NLog
Programming languages	C#, C++ , ASP.NET, HTML, CSS, JavaScript, XAML, XML, Python, TypeScript
Development environment	Visual Studio .NET
Testing environment	Jenkins
Databases	MS SQL Server
Web technologies	ASP.NET MVC, Compass, TypeScript
Software modeling	Enterprise Architect
Version management system	Mercurial
Collaboration tools	Jira, Confluence, Trello, DokuWiki

Markets

The competence of our employees and the structure of our products allows us to focus on the following industries:

- ✓ Plastics industry → PiInject / Software Engineering
- ✓ Automotive → PiAssembly / Software and Automation Engineering
- ✓ Medical sector → PiInject and PiAssembly / Software and Automation Engineering
- ✓ Foundry sector → PiSolutions / Software and Automation Engineering
- ✓ Packaging sector → PiSolutions / Software and Automation Engineering
- ✓ Software Engineering for frigate and corvette gearbox controls

Customers



Customers



Customers



HME TRADING AG

For further information please feel free to contact us any time

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- Dataset handling & traceability and much, much more!

**Thank you very much
for your attention and interest.**

Over 30 years' experience!