SABEMI S.r.l.
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About us

Sabemi srl is a young and dynamic company, founded in 2003, its activity is design and production of technologically advanced systems for industrial automation.

Our application areas range from proprietary systems to microprocessors, dedicated to particular tasks of automation, the experience and the technological background of the founding members, technicians can perform all tasks related to the design realization and installation of industrial plants, diagnostic systems, human-machine interface (MMI), systems related to the management and maintenance of equipment and factory management systems (ERP).

Sabemi srl conducts electrical design, software design (Plc, Hmi, Scada, Drive), commissioning, development tracking and production management software and robot programming. We are also able to deal with the construction and installation of electrical cabinets and take care of all the electrical activity linked to production plant.

In recent years, Sabemi has also worked on machine vision systems in automotive, plastics and food industry.

We also develop standard programming architectures for industrial automation, in this regard we developed the last Fiat Standard CCS based on Rockwell platform.

In 2007 the Sabemi srl has placed second in the competition “InnovaLazio” by submitting a innovation project management technology and production control.
Our customers

- COMAU BODY WELDING & ASSEMBLY
- FIAT GROUP AUTOMOBILES Stab.:
  - CASSINO
  - MELFI
  - POMIGLIANO d’ARCO
  - SEVEL ATESSA
  - GRUGLIA (BERTONE)
- ABB Spa
- FANTINI Spa
- MECCANICA TIBERINA Spa
- MARANGONI Spa
- CIEM Spa
- KUKA ITALIA Spa
- LEAR CORPORATION Spa
- MAGNETI MARELLI Spa
- MAGNA POWERTRAIN
- CARTIERE CERRONE
- VALEO Spa
- SIMMEL DIFESA Spa

- SCHULZ SYSTEMTECHNIK GmbH
- CPM SPA GRUPPO DÜRR
- SEFIN D SRL (AEREOPORTI DI ROMA)
- MES Spa
**Recent works**

**FIAT AUTO**

- Retooling Glass Assembly Line Fiat Auto Cassino with vision system 3D Mel
- Vision system for checking presence of Tucker and CO2 welding Stab. Fiat Auto Cassino
- Vision system for identification car bumper Stab. Magneti Marelli Cassino
- Vision system for correct fitting control Stab. Fiat Auto Cassino
- Gravity feeding systems for Underbody elements 844-198 Fab10 Stab. Fiat Auto Cassino
- Maintenance Alert system via SMS (Hot-Stamping)

**COMAU ITALIA**

- Software Design and commissioning Body Side, Doors, Roof, Floor mod. 844-940 Stab. Fiat Auto Cassino
- Software, Electric and Pneumatic design and commissioning Decking mod. 844 Stab. Fiat Auto Cassino
- Software Design and commissioning classe C Mercedes Brema e Sindelfingen (De)
- Software Design and commissioning Front End 198-844 Cassino
- Standard programming design CCS for Fiat lines
Recent works

Comau
- **Software Design and commissioning** dashboard line cd 390-391-593 stab. FORD Valencia
- **Software Design and commissioning** Body Inner, Roof and Body side line Nuova Panda 139 FCA Pomigliano standard CARs
- **Software Design and commissioning** Front End, Roof, Dashboard, Laser Doors mod. 520/334 FCA Melfi standard CARs

Kuka Italia
- **Software Design and commissioning** Floor Nuova Panda 139 FCA Pomigliano standard CARs
- **Software Design and commissioning** Body Side 156-157 Maserati FCA Grugliasco (TO) standard CARs
- **Software Design and commissioning** Hood and Hatchback mod. 520/334 FCA Melfi standard CARs
- **Software Design and commissioning** Body Inner 520/334 PMC Melfi
Recent works

ABB Spa
- Retooling Electronic Relay line T4/T5/T6 with laser marking, vision system labels, electronic relays programming, product traceability, production management and supervision
- Loading systems with technical elements Pick to Light the Emax line
- Retooling T7-X1 Line with inserting product traceability system and production management
- Retooling line T1 with inserting Marking Imaje
- Testing machine circuit breakers

SEFIND srl
- Work on Rockwell Plc systems stock CARGOCITY Rome airports of

Other works
- System of traceability and production line setting MB3 MB4/Webasto Italy
**Activities: Software Plc**

PLC Software Design and commissioning of automatic robotised welding lines, conveyor systems, automatic warehouses, measurement and Visual recognition systems. Perfect knowledge of the standards currently in use by Ford, Mercedes and FiatAuto. For the latter we programmers certified by DaimlerChrysler for the standard INTEGRAmcs

- **Wired logic system**
  - Simatic-N
  - Telestatique

- **Plc**
  - Allen-Bradley (Rockwell)
  - Siemens/Texas Instruments
  - Telemecanique
  - OMRON
  - ABB
  - GE
  - Beckhoff
  - Phoenix-Contact

- **Safety Plc**
  - Pilz
  - Siemens serie F
  - Hima
  - Rockwell serie GuardLogix

- **Drives**
  - Bosch-Indramat
  - Siemens
  - ControlTecniquest
  - Rockwell
  - SEW Eurodrive

- **Simulazione off-line**
  - Prosyst SIMAC A/N
  - Automation Studio
  - RSTestStand
Activities: Software Scada and HMI

Design supervisory systems Software, diagnostic and operator interface:

- **HMI**
  - Comau-IGD
  - CVU5000
  - OP/Protool
  - OS32
  - PC-USR
  - WinCC-Flexible
  - PanelView/PanelBuilder
  - RsViewMe
  - Wonderware-InTouch
  - Movicon
  - Pro-Face
  - Weintek

- **SCADA**
  - RSView32/RsViewSE
  - FactoryTalk
  - ControlView
  - Cube (orsi-siemens)
  - Wonderware-InTouch
  - Iconics-Genesis
  - Movicon
  - Labview
  - WinCC

![Image of HMI and SCADA systems](image.png)
Activities: FieldBus

Software and Hardware design of communication systems for industrial environments:

- **Nets and FieldBus**
  - Ethernet-/EthernetIP/EtherCAT
  - SafetyBus
  - Profibus/Profisafe/Profinet
  - DeviceNet/ControlNet
  - Interbus
  - CanOpen
  - ModBus
  - Unitelway
  - DF1/DH+/Rio
  - L1/L2/H1
  - PLC (PowerLineCommunications)
Activities: Product identification systems

Visual acquisition systems design and product-identification:

- **RFID**
  - Premid
  - Balogh
  - Moby I/L/M/F
  - Statec
  - Balluff
  - Sick

- **Barcode**
  - DataLogic
  - Cognex
  - Intermec
  - Symbol
  - Sick
  - IFM
The Sabemi over the years he has developed significant experience in the field of image processing. We can provide systems for quality control and dimensional inspection in industrial environments. Our applications are tuned to the needs of the client, in a cost-cutting perspective, ranging from the integration of smart cameras up to more complex systems, PC-Based.

- **Smart camera**
  - COGNEX
  - WENGLOR
  - SICK
  - KEYENCE
  - IFM
  - National Instruments

- **Pc-Based**
  - LABVIEW
  - National Instruments
  - HALCON

Activities: Vision Systems
Activities: Software PC

Software development through the use of the following programming languages:

- **Programming**
  - Assembler
  - Gwbasic/qBasic/VB-/Vbscript/VB.net
  - Clipper
  - C/C++/Visual C++/C#
  - Java/JavaScript
  - Pascal/Delphi/Kylix
  - Html/css/XML/Asp/Asp.net/Php/Perl/cgi/jsp/Flash
  - LabView

- **Systems**
  - CP/M-86
  - DOS
  - Unix/Linux/Irix
  - WinCE/WinPhone/Win9x
  - NT/2000/XP/Vista/7/8

- **RDBMS**
  - MySql/PostgreSQL/Interbase
  - Access/Ms SQLServer
  - Oracle
Activities: Robot programming

Using internal resources and in collaboration with specialized companies we are able to provide off-line simulation, programming and commissioning of robot systems

- Programmazione Robot
  - Comau
  - Kuka
  - ABB
  - GE-Fanuc
Activities: Hardware Design

Electric design for automatic welding plants, transportation and industrial distribution

- Electric CAD
  - Autocad
  - Eplan
  - Ruplan
  - Orcad
  - Proteus
Activities: Pneumatic design

Pneumatic design for automatic welding plants, transportation and industrial distribution:

- Design Systems
  - Autocad
  - Eplan
  - Automation Studio
  - FluidPlan
Activities: Mechanics

With the support of our suppliers we can provide mechanical design and realization of automatic machine

- Automatic handling systems
- Robotized welding station
- Mechanical construction
- Mechanical installation
Activities: Electric

Design and implementation of electrical cabinets for automatic systems

- Electrical design and wiring cabinets
- Electrical installation
Our corporate headquarters

Since September 2008 SABEMI srl has transferred its headquarters in the new industrial shed owned in tCassino industrial area about 2 km from FCA Plant
Our experience

Here are some installation design tasks and/or commissioning of the most significant of our technical:

**Gruppo FCA**

- **Stab. Cassino (I)**
  Handling Skid Line 192 Fabb. 7 (Comau)
  EMS Doors Line 192 Fabb. 2 (Comau)
  EMS Seats 192 Fabb. 2 (Comecar)
  EMS Plance 192 Fabb. 2 (Comecar)
  Welding Line Telaio Ant. 192 Fabb. 10 (Comau)
  Welding Line Telaio Post. 192 Fabb. 10 (Comau)
  Welding Line Autotelaio 198 Fabb. 10 (Comau)
  Welding Line Fiancate 940 Fabb. 10 (Comau)
  Welding Line Porte 940 Fabb. 6 (Comau)
  LCA Fabb. 10 (FCA)
  Tucker Vision Control Fabb. 10 (FCA)
  Retooling Montaggio Cristalli (FCA)

- **Stab. Melfi (I)**
  Retooling Doors Line DX/SX Mod. 843 (OLCI-OLM)
  Retooling PPP Line Mod 843 (OLCI-OLM)
  Retooling Underbody (OLCI-OLM)
  Retooling Avvitatura Organi meccanici Mod. 188 (OLM)
  Retooling Parti mobili Mod. 176 (Comau)
  EMS Ganci Girevoli Mod. 176 (Fata Automation)
  Ems Plance Mod. 176 (Fata Automation)
  EMS Skid Mod. 176 Gruppo Ant/Post (Thyssen)
  EMS BodySide Mod. 839 (Digitron-Translift)

- **Stab. Termini Imerese (I)**
  EMS Ganci Girevoli Mod. 176 (Fata Automation)
  EMS Plance Mod. 176 (Fata Automation)
  EMS Skid Mod. 176 Gruppo Ant/Post (Thyssen)

- **Stab. Rivalta (I)**
  EMS BodySide Mod. 839 (Digitron-Translift)

- **Stab. Tofas Bursa (TR)**
  SCADA Linee Scocca/Autotelaio/Ossatura
  Production scheduler software Linee Scocca/Autotelaio/Ossatura
  OLP Linee Framing and Underbody

- **Iveco**
  Stab. Neu Ulm (D) Line montaggio Assali pesanti (Comecar)
  Stab. Madrid (E) Line montaggio Assali pesanti (Comecar)
  Stab. Valladolid (E) Line saldatura Grappolo Mascherone
  Stab. Suzzara (MN) Line Trasportatore ruote
**Our experience**

- **Stab. Grugliasco Maserati (I)**
  - Body Side 139 (KUKA) std. CaRs

- **Stab. Pomigliano d’Arco (I)**
  - Framing Mod. Power Wagon (156)
  - SCADA Bodyside Line
  - Framing SCADA and production scheduler
  - Line Floor Nuova Panda (KUKA) std. CArS
  - Line Bodyside inner Nuova Panda (COMAU std. CArS)
  - Line Roof Nuova Panda (COMAU) std. CaRs
  - Line Bodyside Nuova Panda (COMAU) std. CaRs

- **Stab. Sevel Val di Sangro (I)**
  - EMS Scocche saldate (Digitron-Translift)
  - EMS Sottoscocca (Comecar)
  - Line Accoppiamento Motore/Cambio (Thyssen)
  - Sistema gestione Impostazione Accoppiamento Motore/Cambio (Thyssen)
  - Framing Line Furgonata e Cabinata X250
  - Doors Line X250
Our experience:

**Foreign Customers**

- **PSA**
  Stab. Madrid (E)
  Welding stations particolari sottogruppo anteriore

- **Hankook Syntetics**
  Stab. Kumi (Korea)
  EMS trasporto filati sintetici (Digitron-Translift)

- **Opel**
  Stab. Eisenach (D)
  EMS bodyside (Pianelli & Traversa)

- **Audi**
  Stab. Ingolstadt (D)
  Bodyside A6 Limousine
  Framing A6 Limousine

- **Mercedes**
  Stab. Rastatt (D)
  Bodyside W168
  Bodyside inner S168
  Framing 1 S168
  Retooling Linea A1/A2 A1 asch-/A2 asch W168
  Retooling Bodyside inner W168
  Prog. Sw e Hw Framing A1 and A 2 mod. BR169

- **Ford**
  Stab. Colonia (D)
  Bodyside inner 7K
  Bodyshop pilot
  Stab. SaarLouis (D)
  Framing 6X1 mod C214(C-Max)-C307SW
  Framing 6X2 mod C307 3-5D (nuova FOCUS)
  Sistema Supervisione e diagnosi tempo ciclo macchina DESYS
  Interfacciamento sistema di misura Perceptron
  Supervisione software
  Stab Genk (B)
  Bodyside line
  Stab Valencia (E)
  Dashboard Line cd 390-391-593

- **Volvo**
  Stab. Gent (B)
  Cycle time optimization
  OLP Robcad Framing Line
Organization chart:

Administration

Sig. Sandro Ferri
Technical Manager

Ing. Benedetto Di Palma
Technical Manager

Ing. Michele Colitti
Technical Manager

Dott.ssa Alessandra Zeppieri
Administrative

Technical Office
Ing. Gianluca Colitti
Ing. Maurizio Francioso
Ing. Norcia Christian
Ing. Alessandro Trinca
Ing. Marco Di Vetta
Ing. Ernesto Sebastianelli
Ing. Antonio Pacitto
Ing. Pietro Falco
Sig. Mattia Magliocchetti
Ing. Marco Vizzaccaro
Ing. Stefano Pullo
Sig. Antonio Villino

External Suppliers
A.M. (Inst. Elettromeccanica)
U.T.O. (Prog. e Costruzione Meccanica)
P.M.A. Engineering
(Prog. e Costruzione Meccanica)
AutoMate Engineering
(Prog. Robot)

Robot Programming
Ing. Di Palma Benedetto
Sig. Antonio Villino
Contacts

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