

# COMPANY PRESENTATION



# WHO WE ARE

SYNECO is a company based in Rome, which provides services and solutions of Instrumentation and Automation for plant safety and process control.

The Company has been established in 2011 by partners with a combined experience of 20 years in Detailed Engineering and System Integration, mainly for the Instrumentation & Automation field.

The long-term well established business relationships and the experience achieved over the years while working with EPC Contractors, Systems Manufacturers and End Users worldwide, allows SYNECO to manage and deliver projects of any type and size, always meeting the real needs of its Customers.



# BUSINESS INDUSTRY

SYNECO has gathered significant experience in the international arena, mainly in the following business sectors :

- Chemical*
- Petrochemical*
- Refinery*
- Pharmaceutical*
- Power Management*

# BUSINESS AREAS

- ❑ Instrumentation Engineering for plant safety and process control.
- ❑ Automation and Control Systems, HW & SW development.
- ❑ Control and Safety Systems Engineering and Integration, including Systems and Auxiliary Cabinets assembly.
- ❑ Power Management Systems.
- ❑ Site Activities, Commissioning & Start-up.
- ❑ Supervisory activities for the installation of Field Instrumentation and Control Systems.
- ❑ Technical Assistance, Training and Maintenance.



# INSTRUMENTATION ENGINEERING

SYNECO engineering services can be identified with the following tasks:

- ❑ Feasibility Studies
- ❑ Basic Engineering
- ❑ Detailed Engineering



# INSTRUMENTATION ENGINEERING – Services and Documentation

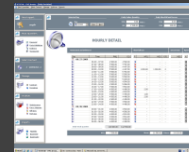
SYNECO delivers documentation for Detailed Engineering and Automation Engineering with the following service:

- Material list.
- Data base (Intools or Access)
- Instrument specification
- System control specification
- Logic diagram
- Mechanical/secondary
- Junction box engineering
- Loop wiring
- Main cable routing layout
- Instrument layout
- Technical bid evaluation

# AUTOMATION & CONTROL - Competences

The experience gained while working as a System Integrator for the major international players in the process industry, makes of us the ideal partner for End Users, Engineering & Contracting Companies and Manufacturers in this business area.

- ❑ Process Control Systems (PLC, DCS, etc..)
- ❑ Safety Systems (SIS, ESD, etc..)
- ❑ Fire and Gas Detection Systems (F&G)
- ❑ Monitoring and Control Systems for electrical distribution and power generation plants (PMS, etc..)
- ❑ Access Security and Control, Video Surveillance, Intercom Systems, Voice and Data Networks, etc..



# AUTOMATION & CONTROL - Services

SYNECO services can be identified with the following tasks:

- Control System Basic Design and Documentation
- System Architecture & Hardware Platform
- Design
- Interface with Process Department
- Process Control and Safety System Philosophy
- Risk Analysis and Hazop assistance
- I/O signals database
- Software Development
- SIL Allocation & Verification
- Cabinets Engineering and Integration
- Expediting, Inspections & Tests Activities
- On site activities (Installation Assistance, Precommissioning, Commissioning & Start-up, Coordination)
- Hand-over Documentation
- Assistance & Maintenance
- Materials Supply



# CLIENTS

SYNECO main clients are:

- ❑ System's manufacturers
- ❑ EPC
- ❑ End Users



# AUTOMATION & CONTROL- Projects (1 of 2)

YEAR	PROJECT	PLANT	LOCATION	CLIENT	END USER	SYSTEM MANUFACTURER
2021	Cabinet Integration & SW Configuration	Refinery	Corinth (Greece)	Honeywell	Motor Oil Hellas	Honeywell
2020	DCS-ESD-F&G-BMS Control & Safety	Refinery	Iraq	Progetti Europa & Global Spa	PetrolChina Halfaya	
2020-2021	SW Configuration + HMI	Poliofeline Plant	Ferrara (Italy)	Honeywell	Basell	Honeywell
2020	EMCS SCADA	Oil Plant	Singapore	Rockwell Automation	Neste Oil	
2020-2021	ESD-DCS Control System	Refinery	Iraq	Progetti Europa & Global Spa	BASRAH OIL COMPANY (BOC)	Rockwell
2019-2020	BMS System	Refinery	Algeria	Kinetics Technology Spa	SONATRACH	HIMA
2019-2020	SW Configuration	Pharmaceutical	Teramo (Italy)	ETA Progetti	ACS DOBFAR SPA	
2019	PLC Configuration	Brewing Plant	Rome (Italy)	C.M. Bernardini International	Peroni	Siemens
2019	PLC Configuration + HMI	Meat Plant	Russia	C.M. Bernardini International	Miratorg	Siemens
2019	PLC Configuration	Refinery	Viggiano (Italy)	Rockwell	ENI	Rockwell
2018-2019	PLC Configuration Activities+HMI	Refinery	Agadir (Marocco)	C.M. Bernardini International	H.S.B.C	Siemens
2018-2019	PLC Configuration Activities+HMI	Fatty Acid Dry Fractionation	Korea	C.M. Bernardini International	DAE WON INDUSTRIAL CO. LTD.	Siemens
2018-2019	Software Service & Marshalling Cabinet Integration	Petrochemical	Rijeka (Croatia)	KT Kinetics Technology	INA Industira Nafte	Honeywell
2018	PLC Configuration Activities	Petrochemical	Priolo (Italy)	Honeywell	ENI - Versalis	Honeywell
2018	PLC Configuration Activities	Petrochemical	Oman	Honeywell	Oman Refinery Company	Honeywell
2017-2018	Configuration Activities	Petrochemical	Dubai	Rockwell Automation	ENOC	Rockwell Automation
2017-2018	Configuration Activities	Chemical Refinery	Minerbio (Italy)	Honeywell	STOGIT-SNAM RETE GAS	Honeywell
2017	Safety & Control System	Petrochemical	Cameroun	KT Kinetics Technology	SNC	Rockwell Automation
2017	DCS / ESD Systems Upgrade	Petrochemical	Corinth (Greece)	Honeywell	Motor Oil Hellas	Honeywell
2017	Software Service & Marshalling Cabinet Integration	Petrochemical	Russia	Honeywell	JSC Gazprom Neft	
2017	Configuration Activities	Pharmaceutical	Aquila (Italy)	ETA Progetti	Sanofi Aventis	

# AUTOMATION & CONTROL- Projects (2 of 2)

YEAR	PROJECT	PLANT	LOCATION	CLIENT	END USER	SYSTEM MANUFACTURER
2015/2017	Configuration Activities	Petrochemical	Danzica (Poland)	KT Kinetics Technology	Lotos	Honeywell
2015/2016	Software Service & Marshalling Cabinet Integration	Power Plant	Malta	Honeywell	Electrogas Malta	Honeywell
2016	Configuration Activities	Biodiesel Production Plant	Thailand	CM Bernardini		Siemens
2016	PLC Configuration Activities	Pharmaceutical	L'Aquila (Italy)	ETA Progetti	Sanofi Aventis	Siemens
2016	Configuration Activities	Petrochemical	Rome (Italy)	Total Erg (Rome Refinery)	Total Erg (Rome Refinery)	HIMA
2016	Configuration Activities	Pharmaceutical	Pomezia (Italy)	ETA Progetti	Tubilux	Siemens/Rockwell Automation
2015	Commissioning	Plant	Izmit (Turkey)	CM Bernardini		
2015	Software Configuration	Extraction Complex	Santiago de Cuba (Cuba)	CM Bernardini	PDS Santiago de Cuba	Siemens
2015	Configuration Activities	Petrochemical	Priolo (Italy)	Honeywell	ISAB Priolo	Honeywell
2014	Commissioning PLC Systems	Regeneration In line Heaters	Iran	Tecnimont	N.I.O.C.	
2014	C300 Configuration	Onshore Treatment Plant	Pointe Noire (Congo)	Honeywell	CABGOC	Honeywell
2014	MPX ESD System	Poliofeline Plant	Ferrara (Italy)	Basell	Lyondell Basell	Siemens
2014	DCS Configuration	Onshore Treatment Plant	Pointe Noire (Congo)	Honeywell	CABGOC	Honeywell
2013/2014	ESD System Configuration & Cabinet Supply	Poliofeline Plant	Ferrara (Italy)	Honeywell	Lyondell Basell	Honeywell
2014	EDC Pyrolysis Furnace BMS design & supply	Chemical Refinery	Shendong (China)	KT Kinetics Technology	Shandong Yangmeihengton	HIMA
2014	DCS/ESD/F&G Configuration	Urea Plant	Jubail (Saudi Arabia)	SAIPEM	Saudi Arabian Fertilizer	
2014	SBMS System	Refinery	Mostorod (Egypt)	KT Kinetics Technology	Egyptian Refining Company	HIMA
2013	ESD System Configuration	Hydrogen Power Plant	Fusina (Italy)	Automazione e Sistemi	ENEL	HIMA
2012	ZR2 Depot Control System Upgrading	Depot Plant	Zubair (Iraq)	SSE	South Oil Company	GE FANUC
2012	New Load Shedding System	Augusta Esso Refinery	Augusta (Italy)	Rockwell / Foster Wheeler	New Cogen Project	Rockwell Automation
2013/2014	EMCS, PMS, LLS System Configuration	Polyethylene Production Plant	Veracruz (Mexico)	Technip Italy	Braskem Idesa	Rockwell Automation

# ENGINEERING- Projects

YEAR	PROJECT	ACTIVITIES	LOCATION	CLIENT	END USER
2020-2021	KALLO Project	Instrumentation Engineering	Belgium	KT Kinetics Technology	Borealis
2021	MIDOR Refinery Expansion	FAT Activities	Egypt	Technip FMC	Midor
2019-2020	MIDOR Refinery Expansion	Automation Engineering	Egypt	Technip FMC	Midor
2019-2020	NESTE OIL - Expansion Proj.	Automation Engineering	Singapore	Technip FMC	Neste Oil
2018-2020	BAPCO	Instrumentation Detailed Engineering	Bahrain	Technip FMC	BAPCO
2017-2018	Lukeoil	Automation Engineering	Russia	KT Kinetics Technology	Lukeoil
2017	Petro Rabigh CFU SRU	Automation Engineering	Saudi Arabia	KT Kinetics Technology	Petro Rabigh
2016	Ammonia Plant Refinery Reformer	Instrumentation Detailed Engineering	Kingisepp (Russia)	KT Kinetics Technology	Euroche Group AG
2016	Hydromax Vacuum Lotos	Automation Engineering	Gdansk (Poland)	KT Kinetics Technology	Lotos
2015/2016	Synthetic Rubber Plant	Instrumentation Detailed Engineering	Tiszaujvaro (Jungary)	APS	MOL Hungary
2015	Steam Reformer	Instrumentation Detailed Engineering	Pakistan	KT Kinetics Technology	National Refinery
2015/2016	Cooking Unit & Hydrogen Generation	Automation Engineering	Gdansk (Poland)	KT Kinetics Technology	Lotos
2014	Temparossa	Automation Engineering	Val d'Agri (Italy)	KT Kinetics Technology	Total
2014/2015	ROG A & B	Gas Treatment	Antwerp (Belgium)	KT Kinetics Technology	Total
2014/2015	New Train	Instrumentation Detailed Engineering	Baghdad (Iraq)	PEG	Midland Oil Co.
2013/2014	EDC Cracking	Instrumentation Detailed Engineering	Shandong (China)	KT Kinetics Technology	Shandong Yangmei Hengton Chemicals Co.
2013/2014	Val d'Agri	Telecom & Automation Feed Engineering	Val d'Agri (Italy)	Saipem	ENI
2013/2014	Luberef	Instrumentation Detailed Engineering	Saudi Arabia	KT Kinetics Technology	ARAMCO
2013	SAFCO V	Package Follow Up	Qatar	Saipem	SABIC
2013	Priolo	Automation Engineering	Priolo (Italy)	Technip Italy	Priolo Refinery
2013	Petrocarabobo Feed	Automation Engineering	Venezuela	Technip Italy	PDVSA
2012	Versalis	Reverse Engineering ESD Logic	Priolo (Italy)	Technip Italy	Priolo Refinery
2012	Shandong	Logic Diagrams	Shandong (China)	Conser Spa	Shandong Chambroad Petrochemical Co. Ltd.

# ON SITE ACTIVITIES - Projects

YEAR	PROJECT	PLANT	LOCATION	CLIENT	END USER	SYSTEM MANUFACTURER
2020	PLC System Assistance	Oil Extraction Plant	Viggiano (Italy)	Sensia	ENI	Rockwell Automation
2020	PLC System Assistance	Gas Plant	Sabbioncello/Minberbio (Italy)	Honeywell	STOGIT	Honeywell
2019	HDVU	Lotos Refinery	Gdansk (Poland)	KT Kinetics Technology	Lotos	Honeywell
2019	Electrical Power Management	Refinery	Dubai	Rockwell Automation	ENOC	Rockwell Automation
2019	Load Shedding System Revamping	Refinery	Augusta (Italy)	Rockwell Automation	ESSO	Rockwell Automation
2018-2021	PLC-DCS System Assistance	Incinerator	Terni (Italy)	Acea Ambiente	Acea Ambiente	HIMA & ABB
2018	FAT Assistance	Refinery	Moscow (Russia)	Technip FMC	Onpz Oao	
2017	PLC System Assistance	Food/Oil Refining	Thailand	CM Bernardini	PPP Green Complex	Siemens
2017/2018	Commissioning	Gas Plant	Avenza (Italy)	Honeywell UK	Kazakistan	Honeywell
2017	PLC System Assistance	Pharmaceutical	Rome (Italy)	ETA Progetti	MSD (Merck)	
2016	Commissioning	Power Plant	Malta	Honeywell	Electrogas Malta	Honeywell
2016	Control System Start-up	Solvent Extraction Complex	Russia	CM Bernardini		Siemens
2015/2016	Control System Start-up	Extraction Complex	Santiago de Cuba (Cuba)	CM Bernardini	PDS Santiago de Cuba	Siemens
2015/2016	On Site Test Activities	Etilene Plant	Veracruz (Mexico)	Rockwell Automation	Braskem / IDESA	Rockwell Automation
2014	Sudan	Detergent Plant	Sudan	CM Bernardini	EL Teital	Rockwell Automation
2013/2014	Tombak	Gas Treatment	Iran	KT Kinetics Technology	N.I.O.C.	
2015	FAT Assistance	ERC Refinery	Korea	KT Kinetics Technology	E.R.C.	HIMA
	PLC System Assistance	Rome Refinery	Rome (Italy)	Total Erg	Rome Refinery	HIMA
2013	G-Dansk	Lotos Refinery	Gdansk (Poland)	Honeywell	Lotos	Honeywell
2013	WASIT	GAS PLANT	Saudi Arabia	Honeywell	Saudi Aramco	Honeywell
2012/2013	Arzew Refinery	Arzew	Algeria	Honeywell	Sonatrach	Honeywell
2013	Jubail	Petrochemical	Saudi Arabia	Technip Italy	Satorp	INVENSYS
2012	FAT Activities	Jubail (Saudi Arabia)	Singapore	Technip Italy	Satorp	Invensys
2012/2014	GRE System Assistance	SARAS Refinery	Cagliari (Italy)	Rockwell	Sarlux Refinery	Rockwell Automation
2013	New Load Shedding System	Augusta Esso Refinery	Augusta (Italy)	Rockwell/Foster Wheeler	New Cogen Project	Rockwell Automation
2011	BS-160	New Booster Station BS-160	SE Kuwait	Honeywell / Saipem	Kuwait Oil Company	Honeywell

# Syneco Facilities

- Offices : 180 sqm



# Syneco Facilities

- Staging Area Testing Facilities : 180 – 250 sqm
- Production Area : 300 sqm



# Contacts

Syneco Srl

Via della Maggiona 18  
00071 Pomezia (RM)

Tel 06 96119974

[info@synecogroup.com](mailto:info@synecogroup.com)

[www.synecogroup.com](http://www.synecogroup.com)

