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S.T.A. Executive

is operating since 1995 on Electric and Automation of Industrial Process. In particular, the first Electrical Arc Furnace – Submerged Arc was in 2006 This has been the first of several furnaces projects for Powder, Silicium, Silicon Metal and RockWool productions.

For all these Projects we have supplied as "turn-key" the electric boards and panel and Automation Control: Hardware and Software.

We also commissioned each Line. In many cases, we did the erection supervision (Erectors by Client-End User and our supervisor to follow and help on all erection jobs). Engineering (as Electrical Diagrams, cable List) is completely developed by our personnel.

Software to control the Furnace and all the programs as well as the HMI panels is totally designed by us and during all these years ,step by step we can optimise functionality and increase reliability to have now a complete set of tested packages for all furnaces with Submerged Arc Process.

We have supplied also Systems able to work at maximum Transformer Capacity so that it could be reasonable to sustain to have now a robust professional experience on this matter.

For Supervision Systems based on PC and mainly dedicated to handle the Process Recipes we also have our Package. It is based on technological approach of the process data with special tools to facilitate the creation of new recipe and to make simplest as possible the use by Operators. Automatic procedure to convert the current machine set up into achievable recipe as well as Coil or batch reporting system are the basic functions of Supervisor.

Many Clients are also connected through Remote Tele service with us and it is other additional service that can be useful to help maintenance electricians on troubleshooting. Due to this facility is faster to make assistance in any place of the world. In fact, our system are installed in several different Countries how our Reference List shows it.

Recently we have also improved the system interface in order to monitor the Line also through the Mobile Phone using dedicated Application tool

For Control Systems (PLC-HMI) our common solution is based on Siemens S7 platform and Operator Panels (now we are working both with Classic and with TIA platform). Furthermore, we had also experience with Rockwell and Telemecanique. All programs are our design, commented in English as well as the Operator Panels (HMI) are working on Multi language platform and easy to translate (if not yet) onto End User Language Chinese Included.







REFERENCE LIST FOR ELECTRICAL ARC FURNACES (SAF)- STA EXEUTIVE (Italy)											
	Furnace Main Data					Supply Description		Automation			
Updated at July 2014	Plant Location		End	Product	Power	Basic	Additional	PLC	Operator	PC	Net
Description	Country	Client	User	Туре	kvA	Supply	Services		Terminals	Supervision	works
Three Phase Furnace-in							Erection				Profibus-
progress	CHINA	STM-TECHNOLOGIES	- Uknowm-	RockWool	9000	Turn Key	Supervision	Siemens	1		Ethernet
3xMonophase Furnaces-In							Erection				Profibus-
progress	Bosnia	STEELMIN	STEELMIN	SiMe	36000	Turn Key	Supervision	Siemens	1	Interface	Ethernet
							Erection				Profibus-
Three Phase Furnace	CHINA	STM-TECHNOLOGIES	BSBM	RockWool	9000	Turn Key	Supervision	Siemens	1	Interface	Ethernet
							Erection				
							Supervision-				
							Remote Tele				Profibus-
Three Phase Furnace	Bosnia	BSI doo	BSI doo	Silicon Metal	10500	Turn Key	assistance	Siemens	4	Interface	Ethernet
							Erection				
							Supervision				
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3xMonophase Furnaces	Bosnia	BSI doo	BSI doo	Silicium	10500	Turn Key	assistance	Siemens	4	Interface	Ethernet
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							Supervision				Desflore
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3xMonophase Fumaces	Boshia	651 000	BSI 000	Silicium /silvie	10500	Tum Key	Erootion	Siemens	4	Intenace	Ethemet
Three Phase Europee	Italy	Topolo	Chimot	Powdor	5000		Supervision	Tolomocomiquo	2	Interface	Ethornot
	italy	Tenova	Chimet	FOWDEI	5000	Tulli Key	Erection	Telemecamique	3	IIIlenace	Ethemet
Three Phase Furnace	Italy	Metalleahe	Metalleghe	Si/Si Me -Ouarz	8500	Turn Kov	Supervision	Telemecamique	з	Interface	Ethernet
	itary	Metallegile	Wetanegrie		0000	Tuni Key	Frection	relemecanique	5	intenace	Luiemer
2xMonophase Eurnace	Italy	Metalleghe	Metalleghe	Si/Si Me -Quartz	8500	Turn Kev	Supervision	Telemecamique	3	Interface	Ethernet
	licity						Frection				
2xMonophase Furnace	Italy	Metalleghe	Metalleghe	Si/Si Me -Quartz	8500	Turn Key	Supervision	Telemecamique	3	Interface	Ethernet
•			Abrasive			· · · · ·	Erection			Siemens	Profibus
Three Phase Furnace	Slovenja	Tenova	Muta	Paper	25000	Turn Key	Supervision	Siemens	5+1	Wincc	MPI
	ĺ í						Erection				
Three Phase Furnace	Italy	Tenova	Chimet	Powder	3500	Turn Key	Supervision	Telemecamique	1		Ethernet