

MAIN WORKS PERFORMED



The dynamic managerial and operational adjustment now makes the Group increasingly well-rounded and competitive in industrial plant construction and maintenance.



MAIN WORKS PERFORMED

YEAR	CLIENT	DESCRIPTION
2024 ongoing	TotalEnergies Refinery of Antwerpen (Belgium)	Contract for the integrated preparation and execution of the TAR 2025 "Extention V" in Totalenergies Refinery of Antwerpen (Belgium). € 9.000.000,00
2024 ongoing	ENI Green-Refinery of Venice	Temporary grouping of companies between CESTARO ROSSI & C. SpA and Power Project Consulting Srl for EPC contract for the construction of the new Interconnecting Plant in ENI Green Refinery of Venice. € 34.000.000,00
2024 ongoing	ENI Refinery in Livorno	Temporary grouping of companies between CESTARO ROSSI & C. SpA and Power Project Consulting Srl for EPC contract for the construction of a new PTU plant at the ENI refinery in Livorno. € 125.000.000,00
2024	Euroapi Pharmaceutical Plant in Brindisi site	Various contracts for the construction/revamping of the plant's mechanical and electrical-instrumental systems in Euroapi Pharmaceutical Plant in Brindisi site. € 350.000,00
2024 ongoing	New plant construction works at Eni Green Data Center in Sannazzaro	Mechanical, electrical and instrumentation works. Contract value approximately €15,000,000. Contract value approximately € 5,000,000.00 for Ele/I&C works - Euro 5.000.000 Ele/I&C
2022 2023	Baker Hughes Avenza	Modularization of 6 skids related to filter chamber, chiller, air duct, ventilation system, additional equipment. Mechanical and electro-instrumental activities included. Euro 3.500.000,00
2022 2023	Refinery ENI in Livorno	Construction of the "Mahler" hydrogen production plant Euro 1.600.000,00
2023	TOTALENERGIES - Refinery of Antwerp - TERA (Belgium)	Contract for the integrated preparation and execution of the next TAR 2023 € 4.000.000,00
2023 ongoing	PRIOLO SERVIZI Priolo Gargallo	Long Term Contract for Plant's multidisciplinary piping maintenance works Euro/year 400.000,00
2022	Kalundborg Refinery Denmark Oli Refinery in Kalundborg	Turn Around Euro 2.000.000,00
2022 ongoing	EuroApi Pharmaceutical Plant in Brindisi (ex Sanofi):	Long Term Contract for Mechanical, Electrical and I&C Erection and Maintenance works Euro/Year 2.000.000,00
2022 ongoing	ENI Versalis Plant in Priolo (Siracusa)	Long Term Contract for Mechanical Erection and Maintenance works Euro/Year 3.000.000,00
2021 ongoing	ENI Venezia Green-Refinery	EPC Contract, in Temporary Consortium with PPC S.r.l., for the Engineering, Procurement and Construction of the new Degumming Unit Euro 31.500.000,00
2021 ongoing	ENI Eni Livorno Refinery	Long Term Contract for Electrical and I&C Erection and Maintenance works Euro/Year 3.000.000,00
2021 ongoing	SOGIN Caorso (Piacenza)	Maintenance work on electrical distribution and lighting systems in Caorso Plant. Euro 1.500.000,00
2021	ENI Livorno Refinery	TAR 2021 - Mechanical Maintenance Valore del contratto circa € 3.500.000,00



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2021 2022	TOTAL Petrochemical Plant of Antwerp-TOA (Belgium)	Contract for the integrated preparation and execution of the next TAR 2022 Euro 4.200.000,00
2021	EXXON Trecate Refinery (Novara)	FCC Block-TAR 2021 - Mechanical Maintenance Euro 3.200.000,00
2021 ongoing	ENI Sannazzaro Refinery (Pavia)	Long Term Contract for Mechanical Erection and Maintenance works Euro 5.000.000,00
2021 2022	TOTAL Refinery of Feyzin (France)	Contract for the integrated preparation of the related TAR 2022 - Aros Euro 3.600.000,00
2020 ongoing	ENI Sannazzaro Refinery (Pavia)	Long Term Contract for Electrical/Instrumentation Erection and Maintenance works Euro/Year 5.000.000,00
2020	ISAB SUD (Lukoil) Oil Refinery	General Contractor for Turn Around of Refinery (Time Scheduling, General Management, mechanical, electrical, instrumentation, insulation, washing, etc.) Euro 14.000.000,00
2020 ongoing	ITER ORGANISATION Saint Paul-lez-Durance (Francia)	Temporary Consortium FINCANTIERI-SI/CESTARO ROSSI EPC contract for the construction of a temporary HVAC system for the TO-KAMAK building of the new nuclear fusion plant located in Saint Paul-lez-Durance (France) Euro 6.500.000,00
2020 ongoing	ITER ORGANISATION Saint Paul-lez-Durance (Francia)	Supply of raw material, piping and fitting for VVPS system (under nuclear safety requirement). Location: Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France) Euro 348.000,00
2020 ongoing	ITER ORGANISATION Saint Paul-lez-Durance (Francia)	Contract for special class fasteners installation on DT/VST tank in DTR (works under nuclear safety requirement). Location: Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France) Euro 398.000,00
2020 ongoing	ITER ORGANISATION Saint Paul-lez-Durance (Francia)	Contract for Heat Rejection system modification for future connection inside B13 pit. Location: Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France) Euro 96.000,00
2020	TOTAL Zeeland Refinery (Holland)	TAR 2020 - Mechanical Maintenance - Plants Merox, Unifiner, Platforming, Gas Plant, Ammine, HDS, Sulphur. Euro 4.200.000,00
2020 ongoing	SOGIN Caorso (Piacenza)	Contract for restoration work of 6 kV power supply to the GNIA switchboard from external power lines by means of the TAG1 and TAG 2 Transformer at the Caorso Nuclear Power Station Euro € 600.000,00
2020	ENI Refinery of Taranto	TAR 20 Mechanical Works Units 100,200,300,1300,TSTC Euro 3.200.000,00
2020	IPLOM Refinery of Busalla (Genova)	TAR 20 Mechanical Works Euro 1.000.000,00
2020	API Refinery of Falconara (Ancona)	TAR 20 Mechanical Works Euro 1.200.000,00
2020	ENI Refinery of Livorno	Shut-Down 20 Mechanical Works Euro 250.000,00



YEAR	CLIENT	DESCRIPTION
2019 2020	SANOFI AVENTIS Pharmaceutical Plant - Brindisi	Various mechanical works concerning modifies and implementations of the units Euro/Year 770.000,00
2019	TOTAL Normandy Refinery Le Havre (Francia)	TAR 2019 - Mechanical Maintenance Distillation Plant Euro 8.600.000,00
2019 2021	SAIPEM Refinery of Milazzo (Messina)	Supply, erection and commissioning services of electrical / I&C installations related to Extra-TAF new plant Euro 910.000,00
2019	RAM Refinery of Milazzo (Messina)	TAR 2019 - Electrical-Instrumental activities Euro 2.000.000,00
2019 ongoing	FINCANTIERI	Construction, erection and commissioning services of plant and equipment for the AC/DC converter of ITER Organisation related to the new Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France)-Electrical/I&C works Euro 2.500.000,00
2019	SONATRACH Augusta Refinery (Siracusa)	Turn Around 2019 - Euro 4.100.000,00 Mechanical, Ele, I&C - Block 1-4-5 and Scanfiner - Euro 1.200.000,00
2019	DAWONSYS (Corea)	Construction, erection and commissioning services of plant and equipment for the AC/DC converter of ITER Organisation related to the new Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France)-Electrical/I&C works Euro 2.500.000,00
2019	API Falconara Refinery (Ancona)	Turn Around 2019 - Mechanical Euro 770.000,00
2018	SANOFI AVENTIS Pharmaceutical Plant - Brindisi	Pharmaceutical Plant - Brindisi: Revamping Electrical Substation MV/LV during the general shutdown 2018 Euro 350.000,00
2018	GUNVOR Rotterdam Oil Refinery	Turn Around 2018 - Mechanical - All Plants Euro 2.500.000,00
2018	ENI Taranto Oil Refinery	Turn Around (Mechanical) Euro 3.500.000,00
2018	DEMONT ON ITER ORGANISATION'S SITE	Contract for the electrical and instrumentation construction of the Building 61 of the new Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France) Euro 300.000,00
2018 2020	SONATRACH Augusta Refinery (Siracusa)	Long Term Contract for Electrical/Instrumentation Maintenance works Euro/Year 1.000.000,00
2018 ongoing	ITER ORGANISATION Saint Paul-lez-Durance (Francia)	Contract for the mechanical, electrical and instrumentation construction of the Balance of Plant 2 of the new Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France) Euro 15.000.000,00
2018	API Falconara Refinery (Ancona)	Turn Around 2018 - Mechanical. Euro 430.000,00
2017 2020	ITER ORGANISATION Saint Paul-lez-Durance (Francia)	Contract for the mechanical, electrical and instrumentation construction of the Balance of Plant 1 of the new Nuclear Fusion Power Plant in Saint Paul-lez-Durance (France) Euro 5.000.000,00



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2017	ENI Taranto Oil Refinery	Turn Around (Mechanical + Ele/instr) Euro 7.500.000,00
2017 ongoing	EXXON Trecate Refinery (Novara)	Long Term Contract for Electrical/Instrumentation Maintenance works Euro/Year 3.000.000,00
2017 ongoing	RAM Milazzo - Oil Refinery (Messina)	Oil Refinery - Long Term Contract for Valves, Safety Valves and soot blowers Maintenance works Euro/Year 800.000,00
2017 2018	TOTAL Marseille Refinery (FRANCE)	Erection of new Pre-treatment Oil Unit at Marseille Refinery (FRANCE) including supply, prefabrication and erection of piping, fitting and steel structures. Mechanical erection of equipment, NDT, painting and insulation works. Euro 5.000.000,00
2017 2018	KINETICS TECHNOLOGY SPA MAIRE TECNIMONT GROUP Milazzo - Oil Refinery (Messina)	E&I works for the Erection of new Sulfur Plant unit at Milazzo Refinery Euro € 2.300.000,00
2016	ENI Livorno Oil Refinery	Turn Around Euro 4.200.000,00
2016 2018	MASOL GROUP Plant (Livorno)	Erection of new biodiesel production unit at Livorno Plant including supply, prefabrication and erection of piping, fitting and steel structures. Mechanical erection of equipment. NDT, painting and insulation works. Euro 6.100.000,00
2016	STATOIL Denmark Oil Refinery in Kalundborg	Turn Around Euro 2.300.000,00
2015	TAMOIL Switzerland Oil Refinery in Collombey	Turn Around / Final Cleaning Euro 5.500.000,00
2015	RAM MILAZZO - Oil Refinery (Messina)	Topping Turn Around Euro 2.000.000,00
2015	FOSTER WHEELER Refinery of Milazzo (Messina)	E&I works for the FCC Plant Revamping- Refinery of Milazzo Euro 2.700.000,00
2015	LUKOIL ISAB SUD Oil Refinery of Priolo (Siracusa)	General Contractor for Turn Around of Refinery (Time Scheduling, General Management, mechanical, electrical, instrumentation, insulation, washing, ecc.) Euro 18.000.000,00
2015 2018	SANOFI AVENTIS Pharmaceutical Plant - Brindisi	Long Term Contract for Mechanical Erection and Maintenance Euro/Year 1.000.000,00
2014 ongoing	Liberty Magona S.r.l. (ex Arcelor Mittal) Piombino - Steel Factory (Livorno)	Global Service Maintenance of the Plant Euro/Year 3.500.000,00
2014 ongoing	ENGIE (ex Gdf Suez) Rosignano - Power Plant (Livorno)	Long Term Contract for Mechanical and Electrical/Instrumentation Maintenance works Euro/Year 1.500.000,00
2014	TOTAL - Paris Grandpuits Refinery (France)	Mechanical Maintenance Distillation Plant Euro 3.200.000,00



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2014 2016	ENAV S.p.A. Roma	Electrical Works for new MV Substation inside Ciampino Airport, included designing, supply and installation works Euro 2.100.000,00
2000 2017	ENI S.p.A. Oil Refinery - Taranto	Oil Refinery - Taranto: Long Term Contract for Electrical/Instrumentation Erection and Maintenance works Euro 1.500.000,00
2014	EXXON Augusta Refinery (Siracusa)	TAR 2014 - Mechanical Maintenance Euro 2.500.000,00
2014	EXXON Trecate Refinery (Novara)	TAR 2014 - Mechanical Maintenance Euro 5.050.000,00
2013 ongoing	RAM Milazzo Oil Refinery (Messina)	Long Term Contract for Electrical/Instrumentation Erection and Maintenance works Euro/Year 7.000.000,00
2013 2019	Total/ERG Oil Deposit (ex-Refinery) - Rome	Rome: Long Term Contract for Global Service Maintenance + Mechanical Tanks Maintenance Euro/Year 8.000.000,00
2012	MASMEC S.p.A. Bari	Electrical Works for new Masmec Factory Euro 700.000,00
2012	RAM Oil Refinery - Milazzo (Messina)	General Contractor for Turn Around of Refinery and Vacuum Revamping (Time Scheduling, General Management, mechanical, electrical, instrumentation, insulation, washing, scaffolding, painting works) Euro 3.900.000,00 (ELE/STRU Euro 650.000,00)
2012	OXOCHIMIE Marseille (France)	TAR 2012 - Mechanical Maintenance Euro 500.000,00
2011	ERG ISAB SUD Oil Refinery - Priolo (Siracusa)	General Contractor for Turn Around of Refinery (Time Scheduling, General Management, mechanical, electrical, instrumentation, ecc.) Euro 7.000.000,00 (ELE/STRU Euro 300.000,00)
2011	SANOFI AVENTIS S.p.A. Pharmaceutical Plant - Brindisi	Electrical and Instrumentation Works for new Spiramicina Plant inside Brindisi Pharmaceutical Plant. Euro 800.000,00
2011	API/IP Policoro (Matera)	Rebuilding of Petrol Station - Electrical, Civil, Mechanical and Instrumental activities in Policoro. Euro 300.000,00
2010 2013	ENIPOWER Italy	Design, Procurement and Installation of Photovoltaic Power Plant (more than 500 kW) - About 15 PV plants all around Italy - 1MWp each Euro 15.000.000,00
2007 2011	ALSTOM POWER Bari	Combined Cycle Power Plant 800MW - Mechanical erection, Electrical and I&C erection works - Modugno (Bari) Euro 30.000.000,00
2007 2011	SIIRTEC-NIGI S.p.A. Refinery ENI - Taranto	General Contractor for the Construction of new Sulphur Plant (civil works, scaffolding, NDT, mechanical erection, electrical and instr. erection) - Refinery ENI Taranto. Euro 14.000.000,00 (ELE/STRU circa Euro 1.200.000,00)



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2010 2011	FUTURE ENERGY S.p.A. Canosa (BAT)	Procurement and Installation of Photovoltaic Power Plant (more than 500 kW) – Canosa (BA) and Cerignola (FG) PV Plant – 1MWp each Euro 350.000,00
2011	CESTARO ROSSI & C. S.p.A. Bari	EPC Contractor for 1MWp Photovoltaic Power Plant Acquaviva delle Fonti (BA) Euro 2.800.000,00
2010 ongoing	ENI S.p.A. Oil Refinery - Taranto	Long Term Contract for Mechanical Erection and Maintenance of Tank Euro/Year 300.000,00
2010 2015	ENI S.p.A. Oil Refinery - Livorno	Long Term Contract for Electrical/Instr. Erection and Routine Maintenance works Euro/Year 1.500.000,00
2010 ongoing	SORGENIA S.p.A Power Plant - Modugno (Bari)	Long Term Contract for Mechanical and Electrical/Instrumentation Maintenance works Euro/Year 600.000,00
2009	TECHINT S.p.A - SUDPROGETTI S.p.A. Taranto ENI Refinery	Installation of new MV Substation inside Taranto ENI Refinery – Electrical Works. Euro 400.000,00.
2008 2010	SAIPEM S.p.A Taranto ENI Refinery	Complete Revamping of MV net inside Taranto ENI Refinery. Euro 1.800.000,00
2007 2009	SAIPEM S.p.A. Taranto ENI Refinery	Electrical and Instrumentation Works for new Plant Hydrocracking inside Taranto ENI Refinery Euro 1400.000,00
2004 2009	ENI S.p.A. Refining & Marketing ROME Puglia e Basilicata	Erection and rebuilding of Petrol Station – Electrical, Civil, Mechanical and Instrumental activities (Bari Airport, Bisceglie, Palagiano, Rivello, Manduria, Salandra, Taranto) Euro 5.500.000,00
2006 2009	ENI S.p.A. Taranto ENI Refinery	Long Term Contract for Mechanical Erection and Maintenance of Tank Euro/Year 300.000,00
2007 2009	UNLB Brindisi	Refurb. of electrical distribution system in the UNLB admini. areas and Design, Construction with installation electrical panels Euro 650.000,00
2000 2010	REGIONE PUGLIA	Maintenance (electrical, civil works and mechanical works) for irrigation plant (artesian wells)
1970 ongoing	ENI S.p.A. Taranto ENI Refinery	Long Term Contract for Mechanical, Electrical and I&C Erection and Routine Maintenance works Euro/Year 5.000.000,00
1985 ongoing	ENI S.p.A. Oil Refinery - Livorno	Long Term Contract for Mechanical Erection and Routine Maintenance works Euro/Year 2.000.000,00
1996 2013	TOTAL/ERG Oil Refinery - Rome	Long Term Contract for Mechanical Erection and Maintenance Euro/Year 4.000.000,00
1994 2006	ENI S.p.A. Oil Refinery - Sannazaro	TAR - Mechanical Erection and Maintenance Euro/Year 1.000.000,00



YEAR	CLIENT	DESCRIPTION
1980 2014	I.E.S. - MOL Group Oil Refinery - Mantua	Long Term Contract for Mechanical Erection and Maintenance
1999 2011	TAMOIL Oil Refinery - Cremona	Mechanical Erection and Maintenance
1998 ongoing	IPLOM S.p.A. Oil Refinery - Busalla (Genova)	Mechanical Erection and Maintenance
1995 ongoing	API Oil Refinery - Falconara (Ancona)	Long Term Contract for Mechanical Erection and Maintenance
1999 2011	EDISON S.p.A. Power Plant - Taranto	Long Term Contract for Mechanical Erection and Maintenance
2000 2009	ENTE IRRIGAZIONE Bari	Management, Maintenance and New Electrical Installation in the Control Center of Lamalunga -DAM of Locone
2005 2006	SNAM PROGETTI SUD Oil Refinery - Taranto	Mechanical Revamping of Packinox Plant
2005	SUDPROGETTI Oil Refinery - Venice	Mechanical Revamping of Visbreaking
2005 2006	SNAM PROGETTI SUD Oil Refinery - Taranto	Mechanical Revamping of RHU Plant
2005 2006	SNAM PROGETTI SUD S.p.A. ENI Oil Refinery	Erection of Electrical and Instrumental Plant - Packinox, RHU, Berth Area - ENI Oil Refinery
2004 2006	SNAM PROGETTI S.p.A. Oil Refinery - Taranto	Erection of Electrical and Instrumental New Experimental Plant (EST-CDP) within ENI Oil Refinery in Taranto
2004	ENI S.p.A Oil Refinery - Milazzo (Messina)	TAR - Mechanical Erection and Maintenance
2004	SIEMENS Power Plant of Monopoli (BA)	Mechanical and Electrical/Instrumentation Erection Works for the new Power Plant of Monopoli (BA) - 10MW Biomass
2002 2003	SNAM PROGETTI SUD S.p.A. Oil Refinery - Taranto	Mechanical Erection Plant within Taranto ENI Oil Refinery (CDU - TOPPING - GPL - MEROX)
2002 2003	SNAM PROGETTI SUD S.p.A. Oil Refinery - Taranto	Erection of Electrical and Instrumental New Plant within Taranto ENI Oil Refinery (CDU - TOPPING - GPL - MEROX)
2002	ENI S.p.A. Sannazaro Refinery (Pavia)	Mechanical Revamping of FCC-Vacuum Plant
2002 2003	AQP S.p.A.	Design, construction and installation of electric panels (MV - LV) and Electrical Plants Euro 650.000,00



YEAR	CLIENT	DESCRIPTION
2001 2003	FIRESTONE-BRIDGESTONE Bari	Electrical and I&C Works - revamping and maintenance works
2001	NAPHTACHIMIE Marseille (France)	Mechanical Maintenance of Refinery in Marseille Euro 500.000,00
2001	ENI S.p.A. Oil Refinery - Taranto	Mechanical works for construction of washing plant Ammine RHU
2001	ENI S.p.A. Oil Refinery - Taranto	Mechanical works for construction PIG traps

MAIN TURNAROUND WORKS



Our company boasts solid experience in extraordinary maintenance on major petrol and petrochemical plants both in Italy and abroad.



MAIN TURNAROUND WORKS

HOW TO HAVE A SUCCESSFUL TURNAROUND

Our Company has a great experience in the execution of Turnarounds, so we summarize here below our past experiences and the success factors and the problems that we face in Turnarounds.

SUCCESS FACTORS

1. Good preparation (Company / Client): a very good preparation phase, with the right timing, with the right team from Contractor and Client side, with the right experience on the field, is the fundamental key factor
2. Create a solid Contractor + Refinery team with a real win / win vision: honesty, open-mindedness, common objectives between Contractor and Refinery
3. Put in place a "Realistic planning": it is clear that shorter deadlines imply a significant reduction in costs, but no planning can be carried out without being feasible, realistic and safe ("real" safety cannot be separated by realistic milestones)
4. Preparation: do not focus only on Contractor. Preparation times with Contractors are always longer and that is a good thing in theory. But sometime during the preparation the Refineries are more and more "concentrated" on the Contractors and little on themselves, and their capacity in terms of men (number and experience), means and internal organization capable of respecting the often very challenging TAR objectives.

PROBLEMS... AVOID THE USUAL "BOTTLENECK" DURING TAR:

5. Work permits: Are there enough people from the Refinery to follow the permits in real time? Were they designed to be quick, clear and to avoid unnecessary bureaucracy?
6. Washing area: it is essential to have a suitable area considering the equipment to be washed, to correctly manage the washing area by avoiding the accumulation of parts to be washed and by allowing an effective entry / exit of arts to be washed
7. Inspections: The waiting times for inspections leads to huge delays. It is therefore essential to have the right number of inspectors.
8. Scaffolding: having the right number of teams involved in modifying scaffolding and well made scaffolding will produce considerable time saving and performance improvement
9. Unexpected work: How is it possible to have 1 or 2 years of preparation and then 40 to 50% of unexpected work during the shutdown phase?
10. "External" Refinery Supervisors without a complete knowledge of the site: often on the ground many Refinery Supervisors are "external" to the Refinery and so with very small knowledge of the Refinery, which doesn't help Contractors at all
11. Crane management: Crane management by Refinery with external companies can often be inefficient and cause considerable loss of time
12. Manage internal conflict (Refinery Operation / Refinery TAR team): Contractors are often between internal conflicts between Operation / TAR team of the Refinery, and therefore suffer tensions and delays due to these conflicts
13. Manage technological innovations (eg Phased Array: inspectors with the right experience): Technological progress is fundamental, but it is necessary to be certain of the real positive return from the use of these new technologies and from the preparation users of these new technologies. Often systems like email - Roser - Teams - Primavera etc. provide conflicting information or, above all, it is not clear which is the "master" source for the information
14. It is not possible to manage Companies without a Contract: if the mechanical Contractor is responsible for managing other contractors (such as lifting, scaffolding, insulation, painting), for this management to be "real" and effective it is necessary that between the contractor and these companies have a contractual relationship, otherwise only confusion and low efficiency will arise
15. Active Supervisors are needed and not just "Arbiters": some Refinery Supervisors are reduced to being simple "arbiters", ready to report errors / inefficiencies of the Contractor, while their fundamental purpose should be to facilitate the work and above all to prevent such errors from occurring. They should prevent rather than report the problem that has already occurred
16. Document management: before and during a TAR a huge amount of documentation is produced (technical specifications, statement of works etc.). Ineffective document management causes waste of time and, above all, could cause incorrect works/installations and therefore produce real dangers for people and systems. Some examples of incorrect document management are the circulation of documents with incorrect revisions, the total lack of specifications, work instructions communicated only verbally.
17. Warehouse management of the Customer's materials: the correct and effective management of materials (including for example bolts, gaskets, blinds, etc.) is essential for the success of a TAR. The unavailability of materials, often despite a long preparation phase for the TAR, can produce delays often difficult to recover. This management could be made more efficient by hand in all the materials to be installed over to the Contractor before TAR beginning, following a validation process by Refinery and Contractor.



MAIN TURNAROUND WORKS

2002 - 2023 MAIN TURNAROUND WORKS

CUSTOMER	YEAR	PLANT	H.EX/A.C	COLUMN	VESSEL	FURN/BOIL	OTHERS	DAYS	TOT MAN-HOURS	REMARKS
ENI (Taranto)	2002	ALL (THERMAL, CRACKER, CDU, RHU/HDC, EST)	80	2	30	2	X	30 DAYS	20.170	
	2003		120	4	40	2	X		22.300	
	2006		210	12	64	4	X		28.000	
	2009		175	6	51	2	X		27.000	
	2010		75	3	28	2	X		21.000	
	2011		42	6	18		X		23.500	
	2012		431	39	212	27	X	2x30 DAYS	49.814	
	2013		10	5	11	2	X	28+18	6.981	
	2014		39	8	8	2	X	29+19+12	29.904	
	2017		146	23	61	23	X	60 DAYS	129.000	Piping: 140 tons CS + 40 tons Alloy
	2018		133	9	15	11	X	30 DAYS	60.000	
2020	100, 200, 300, 1.300, TSTC	14	1	5	1	X	10 DAYS	8.000	3.6 tons CS - 0.2 tons P11	
IES (Mantova)	2002	ALL PROCESS AND OIL PLANTS	43	6	38	12	X	30 DAYS	9.071	
	2004		49	6	11	3	X		6.500	
	2006		45	11	25	5	X		17.109	
	2007		51	4	12	3	X		6.100	
	2008		61	6	24	3	X		6.900	
	2009		65	6	5	3	X		12.500	
	2010		73	11	23	6	X		15.000	
	2011		23	2	0	2	X		5.000	
	2012		50	7	35	5	X		11.000	
	2013		25	3	1		X		4.400	
	2014		102	22	52	5	X		7.700	
IPLM Busalla (Genova)	2002	ALL PROCESS AND OIL PLANTS	48	5	18	2	X	30 DAYS	9.071	
	2004		46	18	22		X		6.500	
	2005		31	3	13	4	X		17.109	
	2007		60	6	22	4	X		6.100	
	2009		67	11	28	6	X		6.900	
	2010		42	7	15	7	X		12.500	
	2011		45	7	15	7	X		15.000	
	2013		67	7	3	5	X		5.000	
	2015		67	10	28	7	X		11.000	
	2018		67	7	22	7	X		4.400	
	2020		79	10	33	10	X		7.700	
	59	11	22	4	X	40.000	Piping: 15 tons			