



TREVISAN S.r.l.

Railway Electrification

PORTOGRUARO (VE)

- ITALY -

1. THE ORIGINS



(1961 - 1985)

The Company Trevisan s.r.l. was founded by Giuseppe Trevisan in 1961, as a sole-proprietor firm in the field of electric systems.

Since 1966 it has mainly addressed its activity to industrial electrical systems works and, on behalf of Ferrovie dello Stato and it has took its first steps in the field of railway lines' electrification.



Portogruaro (VE), 1967
Installation of a control board



Trieste-Campo Marzio, 1976
Electrification

Therefore the company has developed its resources, improving workers, machinery and equipments; the clearly evident improvement of its logistic platform has allowed the achievement of several works in the sections of Trieste and Udine, and, at the same time, a growing experience in this field.

We remind, between the several works that have been done in this period:



Trieste, 1980
Electrification of the belt tunnel

1975

Electrification of Trieste Campo Marzio - Aquilinia section.

1977

Reactivation of the electrical traction line between the stations of Gemona and Pontebba after the earthquake.

Modification of the automatic regulation - Bivio d'Aurisina - Bivio San Polo and Bivio San Polo - Udine sections.

1979

Electrification of the preliminary deviation of the through tracks in Cervignano station.

1982

Realization of the remote control on the traction isolators in some stations of the Udine - Tarvisio railway line.

1985

Electrification of the belt tunnel from Trieste-Barcola to Trieste-Campo Marzio.

2. THE DEVELOPMENT



[1986 - 1999]

In 1986, thanks to the propelling thrust of the founder, the sole-proprietor firm became TREVISAN s.r.l., and it reinforced in a significant way its competitive position in the field of Railway Electric Traction.

In this period the collaboration with the FS Section of Trieste and with the 2nd Special Unit of Udine continued and, since the early Nineties, the company has begun to extend beyond its area, obtaining important works nearby the Sections of Bologna, Florence, Rome and Ancona.

1986

Electrification of Artergna-Tarcento section.

Electrification of a part of the railway line, Gorizia-Redipuglia section.

Development of the electric traction systems in Villa Vicentina station.

1987

Electrification of the through track between the stations of Gorizia and Mossa.

1988

Installation of the isolators with an engine control in some stations of the Trieste section.

1989

Modification of the electric traction systems in the stations of Pontedera, Cascina and Navacchio, in San Frediano stop and in S.Miniato F.- Pisa C.le section.

1990

Renewal of the contact lines, Bivio S.Vitale-Mirandola Ozzano section, railway line Bologna-Rimini.

1991

Adaptation of the electric traction systems in the stations of Viareggio-Prato and Lucca-Pisa sections.



Villa Vicentina (UD), 1986
Laying of cantilevers on three tracks



Venzone (UD), 1988
Laying of a gateway

1992

Electrification of the Carnia station ,Udine-Tarvisio railway line, as per the arrangement of the town plan.

1993

Second phase of electrification - Padova Interporto.

1994

Renewal of the electric traction systems in some sections of the railway line Rome-Florence between Castiglion Fiorentino and Chiusi.

Adaptation of the electric traction systems in the stations of S.Giorgio di Piano, S.Elena d'Este, Battaglia T., Abano T. and Terme Euganee, railway line Bologna-Padova.

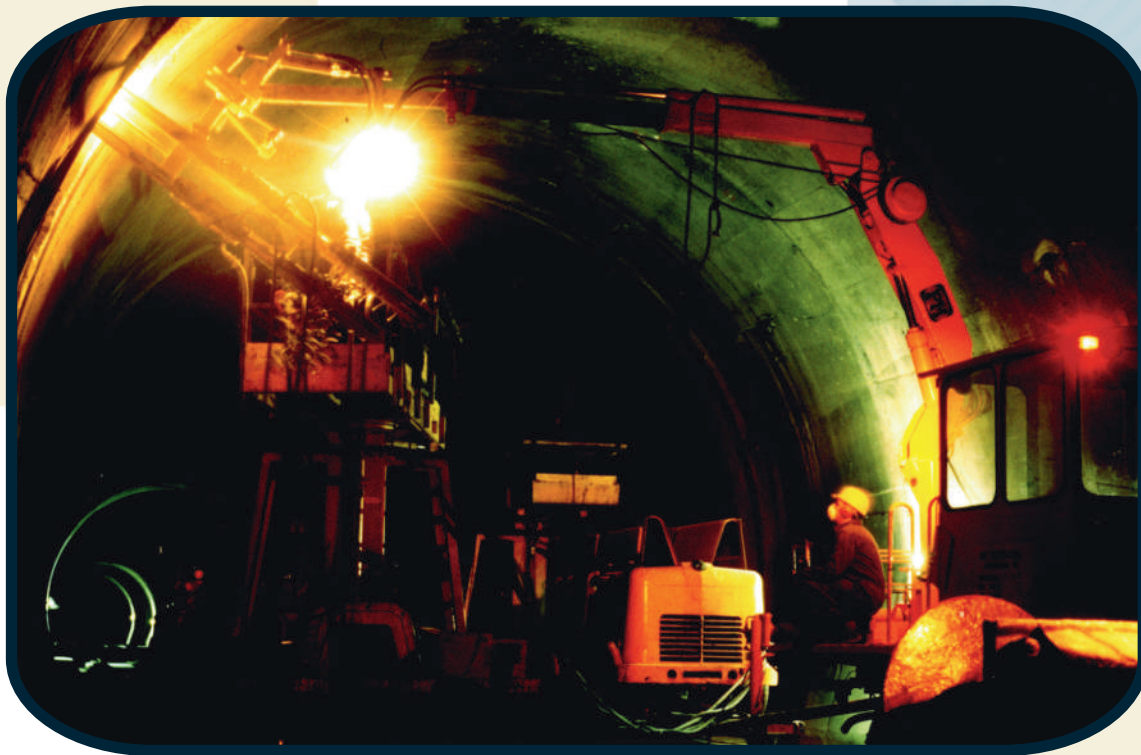
1995

Electric traction works on the new second track, railway line Udine-Tarvisio.

Agreement of ordinary maintenance of the electric traction systems with Trieste Sections - two-years period 1995-1996.



Carnia (UD), 1992
Laying of a station gateway



San Rocco Tunnel (Carnia-Pontebba section), 1995
Perforation for automatic regulation places

1996

Electric traction works – Chiusi-Rigutino and Rigutino-Florence sections.

1997

Electrification works for the completion of the second track between Mossa and Cormons stations.

Building of concrete blocks for the piles in Pineto-Silvi and Cattolica-Pesaro sections, and from km 130 to km 133, railway line Rimini-Termini.

1998

Complete overhaul of the electric traction systems of the intermodal freight center in Segrate (Milano).

Electric traction works in the tunnels of Sablizza, San Giovanni and Aurisina, railway line Venezia-Trieste; Bivio San Polo-Trieste section.

1999

Necessary electric traction works in Padova C.le station, as per the arrangement of the town plan.

Electrification 3KV - Udine-PM Valsugana section.

Agreement of ordinary maintenance of electric traction systems - Trieste section - two-years period 1999-2000.

Substitution of the contact line, suspension and insulation parts included, in the tunnel of "Montorso", railway line Roma-Formello.

Renewal of electric traction systems Ciampino/Casilina, Ciampino-Capannelle section (Roma).

3. NOWADAYS



(2000-2014)

The company Trevisan srl enters the new Millenium with more and more important working experiences, and, following the excellent results achieved in the previous years, it continues the improvement of its resources, and nowadays it places itself between the major companies in this field.



Treviso - Conegliano, 2000
Contact line renewal



San Rocco Tunnel (Carnia–Pontebba section), 1995
Perforation for automatic regulation places



Treviso - Conegliano, 2000
Contact line renewal

Since 2000 the following works have been done:

2000

Electrification of Castelnuovo, Montebello, Altavilla and Vicenza stations, railway line Milan-Venice, as per the arrangement of the town plan.

Electric traction line renewal, Treviso-Conegliano section, railway line Venice-Udine.

2001

Substitution of electric traction wires and revision of electric traction line – Sommacampagna-Brescia and Desenzano-Brescia sections.

2002

Substitution of the double contact wire, Conegliano-Sacile and Mogliano-Sacile sections.

2003

Second phase of demolition of poles and of security electric traction circuit, Treviso - Conegliano section.

Agreement of ordinary maintenance of electric traction systems - Venice section, two-years period 2003-2004.

2005

Electrification of the electric traction system - San Pietro in Gù station.

Installation of electric traction systems in Vigonza station, Padova-Mestre AC line.

2006

Contact line renewal and further electric traction works in Udine station.

Agreement of ordinary maintenance of electric traction systems-Bologna section, two years period 2005-2006.



Vigonza, 2005
Connection to the new electrical substation



Vigonza, 2005
Reinforcement concrete blocks

2007

Agreement of ordinary maintenance of electric traction systems – Trieste section, two-years period 2006-2007.

2008

Restoration of railway infrastructure on the gallery of Monte Adone on the railway line Bologna - Firenze.

2009

Verification and safety of the contact line in the great tunnel of the Apennines on the railway line Bologna - Firenze.

Renewal of the contact lines, replacement of the insulators and other interventions in the territorial unit of Verona.

Upgrading of the electric traction systems on the railway line of Ritten (Bozen)



Ritten (Bozen), 2009
Upgrading of the railway line



Ritten (Bozen), 2009
Upgrading of the railway line

2010

Replacement of the suspensions of all tunnels on the railway line Bologna - Pistoia.

Installation of new cables for signaling and telecommunications on the railway lines Udine B. S. Polo, Udine-Tarvisio Boscoverde, Udine-Sacile e Gemona-Sacile.

2011

Excavations, concrete castings, poles installation on the section Sasso Marconi - Casalecchio Garibaldi, of the railway line Bologna-Pistoia.

2012

Resolving interference of the railway underpass on the km 119+942 -Railway line Bologna - Ancona, as part of the work for the widening of the third lane of the section Rimini Nord - Pedaso in the A14 highway Bologna - Bari - Taranto.

Installation of the electric traction systems as part of the work for the expansion of the railway park of Marghera-Venice.

Agreement of ordinary maintenance of electric traction systems - Venice Section, two-years period 2012-2013.



Venice, 2012
Expansion of the railway park of Marghera



2013

Extraordinary review of the contact line of the tramway Rittner - Ritten (Bozen).

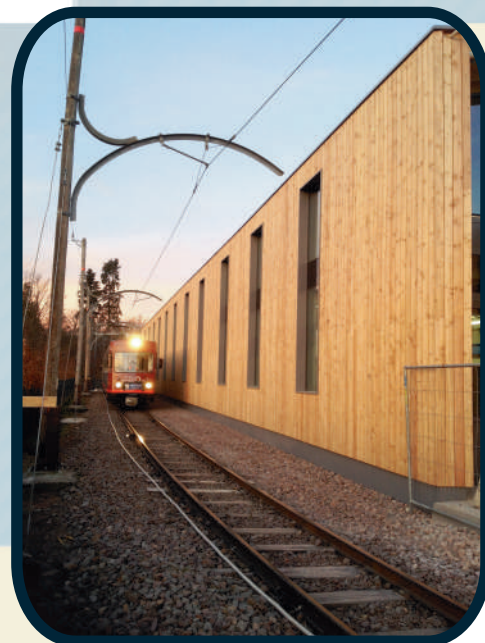
Electrification of the track n ° 10 (catenary 3 kV - 25 kV) at the Workshop of Cyclic Maintenance (OMC) ETR of Vicenza.

Expansion of the train garage in Oberbozen - Ritten (Bozen)



Vicenza, 2013
Electrification of the track n ° 10 at the Workshop of Cyclic Maintenance (OMC) ETR





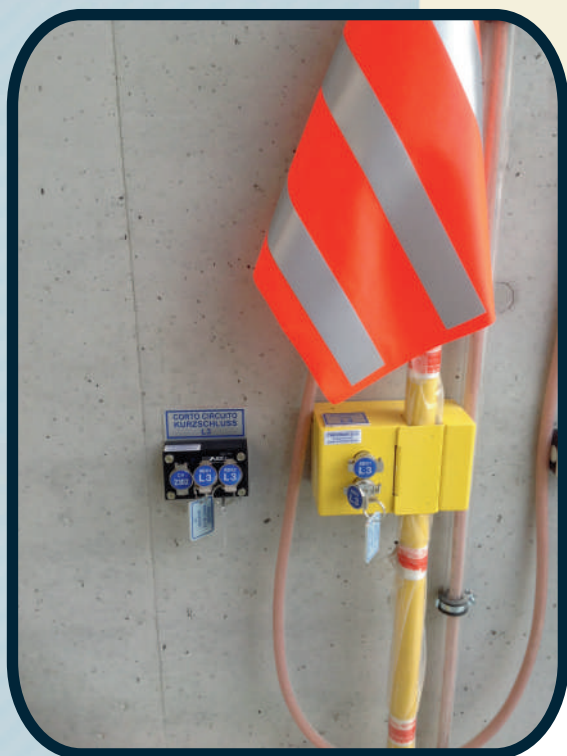
Ritten, 2013
Expansion of the train garage in Oberbozen





Ritten, 2013

Train garage in Oberbozen - Management system for safety and disconnection of electric traction lines



2014

Replacing part of the contact wire at the Tramway Trieste - Opicina

Adaptation to standard of plants stations of Meda and Erba. Work for Ferrovienord Milano.

Adaptation of the contact line and associated power lines to the standard of 540 mm² with catenary wire on plain track in the full line. Rezzato-Brescia section of Milano-Venezia railway line.

Agreement of ordinary maintenance of electric traction systems - Bari Section, for a period of eighteen months.

2015

Agreement of maintenance of electric traction systems, primary distribution, substations and signaling - Venezia Section, during the years 2015-2017

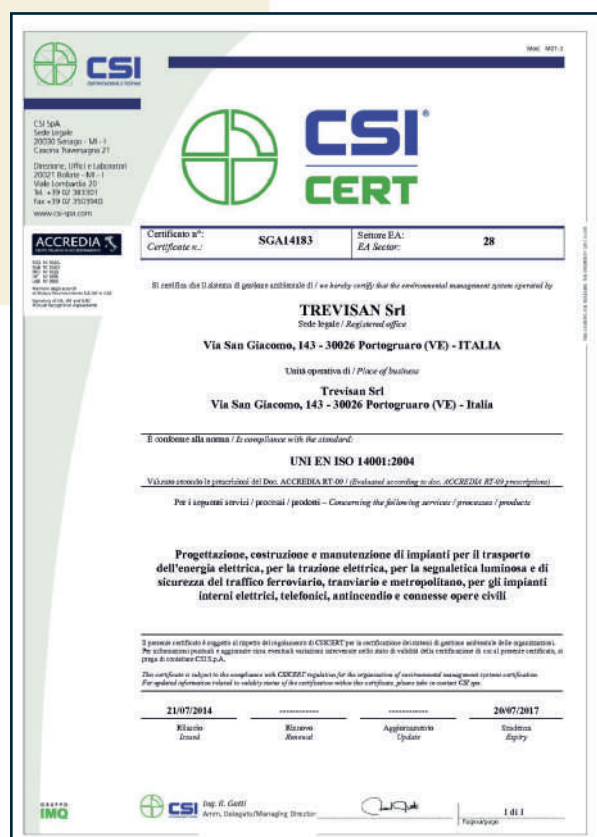
4. CERTIFICATIONS



Since 2002 Trevisan S.r.l. has the certification of its Quality Assurance System according to UNI EN ISO 9001.

At the beginning of 2014, Trevisan S.r.l. has decided to adopt an Integrated Management System for Quality, Environment and Safety.

In July 2014 Trevisan S.r.l. has obtained the UNI EN ISO 14001:2004 environmental certification.



The Company Trevisan s.r.l. is part of the Qualification System, established by "RFI - Rete Ferroviaria Italiana", for the companies that deal with electric traction systems and power supply works, in LTE-002 category, amount class n. 4 - works till € 4,13 millions, LTE-003 category, amount class n. 1 - works till € 0,52 millions and LTE-004 amount class n. 2 - works till € 1,03 millions.

Furthermore it is part of the Qualification System, established by R.F.I., for the companies that deal with the realization of rail signalling systems, in LIS-006 category, amount class n. 3 - works till € 1,30 million.

RFI
RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANI

Divisione: Argomenti
Strutture Regionali e Sistemi di Qualificazione
Il Responsabile

Ferrive dello Stato Italiano
UA 1102004
RFI_DAG-SQA0011P021D4002M5

TREVISAN S.R.L.
Via San Giacomo, 143
30026 PORTOGRUARO (VE)
trevisan-srl@pec.actalis.it

Oggetto: SQ_005 Impianti di Segnalamento Ferroviario.

In riferimento alla documentazione del 21/01/2014 e nei percorsi del 31/01/2014, presentata per il rinnovo della qualificazione al Sistema in oggetto, Vi comuniciamo che la verifica di tale documentazione ha avuto esito positivo e pertanto siete qualificati per:

Categoria di specializzazione	Classi d'importo
LIS-006 (Fornitura di lavori di piazzale per impianti di segnalamento ferroviario)	3 Accessori (fino a € 1,3 Milioni)

La presente amula e costituisce la precedente nota RFI-DPR-APL/A0011P0201/1158 del 10/05/2011.

Si rammenta che, come previsto dall'art. 16.2 della Normativa di riferimento, il rinnovo della qualificazione ha validità fino a tutto il **09.05.2017**.

La qualificazione viene rilasciata in presenza degli accertamenti previsti ai sensi del D.lgs. 159/2011 e s.m.i.

Laddove gli esiti di detti accertamenti rileveranno il mancato possesso dei requisiti richiesti, il provvedimento di qualificazione sarà annullato.

La presente intende da parte Vostra il rispetto e l'accettazione di tutte le condizioni previste dalle Normative attinenti al Sistema in oggetto e in particolare dovete comunicare a questa Sede tutte le variazioni influenti ai fini della qualificazione.

Distinti saluti.

R. Maria Antonietta Vozzella

Via dello Stato Promemoria, 25 - 00197 Roma
Tel. +39 06 478012 - Fax +39 06 4780111
RFI Rete Ferroviaria Italiana S.p.A. - Gruppo Ferrovie dello Stato Italiani
Sede e Direzione Generale: Via Salaria, 459 - 00198 Roma
Sede e Direzione Regionale: Via Salaria, 459 - 00198 Roma
Sede e Direzione Regionale: Via Salaria, 459 - 00198 Roma
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Moreover Trevisan S.r.l. has achieved the italian certification for the realization of public works (SOA), category OS27, class VI - works till € 10,33 millions.

RFI
RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANI

Divisione: Argomenti
Strutture Regionali e Sistemi di Qualificazione
Il Responsabile

Ferrive dello Stato Italiano
UA 20072015
RFI_DAG-SQA0011P021D4002M5

TREVISAN S.R.L.
Via S. Giacomo, 143
30026 Porto Gruaro (VE)
PEC: trevisan-srl@pec.actalis.it

Oggetto: SQ_001 - Sistema di Qualificazione delle imprese per gli interventi agli impianti per la trazione elettrica e per l'energia.

In riferimento alla documentazione presentata per la richiesta di estensione al Sistema in oggetto del 04/11/2014 a noi pervenuta il 07/11/2014, alla documentazione integrativa pervenuta con mail del 11/05/15 e 21/05/15 e alla visita tecnica effettuata il 16/07/2015, Vi comuniciamo la qualificazione per:

Categoria di specializzazione	Classi d'importo
LTE-002 (Interventi a linee di contatto per trazione)	4 (Fino a Euro 4.130.000,00)
LTE-003 (Interventi a linee ad alta tensione e media tensione)	1 (Fino a Euro 520.000,00)
LTE-004 (Realizzazione di strutture di ancoraggio per i sostegni della linea di contatto)	2 (Fino a Euro 1.030.000,00)

Si rammenta che, come indicato all'Art.11 del Disciplinare, la Qualificazione ha validità temporale illimitata a decorrere dal giorno successivo alla data della presente, sempre che permangano le condizioni previste dalla Normativa.

La qualificazione è rilasciata sulla base degli accertamenti ex D.lgs. 159/2011 e delle Dichiarazioni Sostitutive rese da codesta impresa in relazione al possesso dei requisiti generali ex articolo 36 D.lgs. 163/2006; i contenuti delle Dichiarazioni potranno essere verificati in ogni momento e in particolare in occasione di eventuali future aggiornamenti; laddove gli esiti di detti accertamenti rileveranno il mancato possesso dei requisiti richiesti, il provvedimento di qualificazione sarà annullato.

La qualificazione comporta l'accettazione e l'osservanza di tutte le condizioni previste dal Disciplinare e dalla Normativa del Sistema in oggetto, con particolare riguardo a quelle relative al mantenimento della qualificazione ed all'obbligo di comunicare a questa Sede, nel rispetto dei tempi stabiliti, tutte le variazioni influenti ai fini della qualificazione stessa.

Distinti saluti.

Edgardo GRECO

Via dello Stato Promemoria, 25 - 00197 Roma
Tel. +39 06 478012 - Fax +39 06 4780111
RFI Rete Ferroviaria Italiana S.p.A. - Gruppo Ferrovie dello Stato Italiani
Sede e Direzione Generale: Via Salaria, 459 - 00198 Roma
Sede e Direzione Regionale: Via Salaria, 459 - 00198 Roma
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Sede e Direzione Regionale: Via Salaria, 459 - 00198 Roma

EURO-SOA
SOCIETÀ ORGANISMI DI ATTESTAZIONE

Attestazione di Qualificazione alla Esecuzione di Lavori Pubblici
(ai sensi del D.P.R. 207/2010)

Codice Identificativo: 02833790245 (Autorizzazione n.4 del 09/11/2009)

Rilevatore della richiesta: TREVISAN SRL
C.F. n.: 02157270279
R. IVA: 02157270279
Cap. Sede in: PORTOGRUARO (VE)
CAP: 30026
Indirizzo: VIA SAN GIACOMO 143
Sede alla CCIAA di: VE
A/R: 02157270279

Rappresentanti legali
Nome e Cognome: Codice Fiscale:
GIUSEPPE TREVISAN TRGPR024500400
G. ANTONIO TREVISAN TRGPR024500400

Dirigenti tecnici
Nome e Cognome: Codice Fiscale:
Ing. GIUSEPPE TREVISAN TRGPR024500400
Ing. ANTONIO TREVISAN TRGPR024500400

Categorie e classifiche di qualificazione:
C.F. direttore tecnico ed il
coordinatore in qualificazione:
C.F. n.: 02157270279

L'impresa possiede la certificazione (art. 3 comma 1, lettera n) del D.P.R. 207/2010 valida fino al 15/01/2018 rilasciata da CCI di S.p.A.

Attestazione n.: 04708/000 (Data provv. / Data SOA)
Data rilascio attestazione originaria: 24/01/2018
Data scadenza attestazione originaria: 24/01/2019
Data rilascio attestazione in corso: 24/01/2018
Data scadenza attestazione in corso: 24/01/2019
Data scadenza attestazione originaria (Data SOA): 24/01/2019
Data scadenza attestazione in corso (Data SOA): 24/01/2019

Rappresentante Legale: *[Firma]* Direttore Tecnico: *[Firma]*

[Stampato: EURO-SOA SOCIETÀ ORGANISMI DI ATTESTAZIONE - VENEZIA]

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5. COMPANY



The Company has its head office and operating headquarters in Via San Giacomo 143, Portogruaro (Venice), Italy.

TREVISAN S.r.l. is a dynamic and flexible in terms of costs and decision-making skills, but at the same time highly qualified and equipped with a extensive experience in railway electrification.



The company performs a continuous research for optimization of intervention times and for modernization of the machineries in order to ensure technological improvement in terms of greater productivity, safety and environmental protection.

TREVISAN S.r.l. offers qualified technical personnel, technical expertise and a fleet equipped for construction, installation and maintenance of electric traction systems for railway.



STAFF

- 3 worksite managers
- 19 qualified linesman
- 3 technical employees
- 2 technical employees

and among them

- 11 possess certificate of competency issued by RFI S.p.A. for "Railway construction site protection"
- 5 possess certificate of competency issued by RFI S.p.A. for "Guide rail vehicles"

Courses have been held for fire hazards, first aid, fall protection equipment for work at height, use of cranes.



FLEET

Machinery

- 1 mobile plant for concrete production
- 1 truck fitted with crane and low loader deck
- 2 trucks fitted with crane
- 2 excavators
- 2 mini excavators
- 6 vans

Rail vehicles

- 3 Locomotives
- 10 Locomotives with crane
- 5 Multipurpose dresines
- 7 Motorised ladder wagons
- 1 Overhead Wiring wagon
- 1 Wagons for transportation of coil
- 1 Stretching wagon
- 4 Concrete mixer wagons
- 10 Flat wagons
- 1 Concrete milling machine







DESIGNING

TREVISAN S.r.l. works closely with the major design studios for the construction of electric traction systems and for the planning and construction of rail vehicles.

Electric traction systems

- GENERAL SERVICE & CONSULTING S.r.l.
- SATFERR S.r.l. - European Railway Service
- EMMEPI Eengineering Company
- ing ROBERTO CAROLLO member of the Board of Engineers of the Province of Trieste - former executive of ITALFERR S.p.A.

Rail vehicles

- DELTA GAMMA INGEGNERIA Eengineering Company