



High Railway Competence



www.clagi-coplass.com

BUSINESS CORE

*Total integrated complete interiors and toilets systems, front hoods, external masks, side, roof covers, drive cabs and lighting systems for railway vehicles realized in advanced composite materials, metallic (aluminum, stainless steel in deep drawing and classic construction), sandwich with different cores (honey comb, cork, aluminum etc)
Prototypes, mock-ups and tooling for external customers or internal production.*

MISSION

Clagi-Coplass mission is to grow in an equitable and sustainable way, in a well-balanced and quiet environment, having as objective the Quality, in order to satisfy our customer and our people and to warranty them stability, as well as to give a correct remuneration to the ownership, and for that Clagi-Coplass chose the field of public transport activities, which is in a stable growth over the next 25 years.



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■ 34 Years of Experience in Design and Production ■

■ Coplass sas
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ABOUT US / ACTIVITY DESCRIPTION

DESIGN AND PRODUCTION

Total integrated complete interiors and toilets systems, front hoods, external masks, side, roof covers, drive cabs and lighting systems for railway vehicles realized in advanced composite materials, metallic (aluminum, stainless steel in deep drawing and classic construction), sandwich with different cores (honey comb, cork, aluminum etc)

Prototypes, mock-ups and tooling for external customers or internal production.

IN THIS SECTION:

1. Model, Mould , Mock 'Up Manufacture Area
2. Composite Area
3. Painting Area
4. Metal Construction / Deep Drawing Area
5. Sandwich Construction Area
6. Assembly / integration Area
7. Technical / Design Department



EQUIPMENT & POTENTIAL

MODELS, MOULDS, MOCK 'UP MANUFACTURE AREA

■ Clagi – Coplass has a long experience to realize MODELS, MOULDS and MOCK 'UP , tooling for internal or customer's applications.

Moulds and tooling are realized for all different technologies that Clagi – Coplass is used to manage and to offer, composite mould for lamination process, metallic mould for deep drawing process which are totally realized inside, according to our concept and technology.



1. Industrial robot type with 4 columns of fastening / fixing and controllable axes for operations of:
2. - cutting and removing unwanted material at high speed with electrical chucks and high frequency.
3. The space / rhythm of this robot is realised with high precision devices to ensure no vibration during the work. It is equipped with several accessories for the cutting technique.
4. - high speed chucks
5. - devices operating under vacuum to fastens the parts to be processed
6. - devices changing
7. - automatically tool change graphical modules for solid modelling with 3 to 5 axes
8. Dimension 4000 x 2000 x 800

■ 30 years of experience in composite construction for rail way application has permitted to Clagi - Coplass to develop and manage 4 different technologies for lamination process up to address at each particular item the correct technology according with the design, the respect of rail ways norms and requirements.

- **Hand Lay Up** traditional lamination method suitable for small quantity or complex shapes
- **Resin Transfer Molding** indicated for a big/medium number, good surface finishing front – back
- **High Pressure Molding** to solve big number in industrial way, having good surface and a controlled thickness
- **Infusion** for big item like front hood, ceiling, external parts, best way to reduce weight and increase physical – mechanical characteristics



EQUIPMENT & POTENTIAL PAINTING AREA

■ EQUIPMENT:

1. 7 pressurized ovens
2. Length 10 m, Width 6 m
3. Height 4 m
4. 90oC

- Clagi-Coplass has developed a particular skill in industrial painting process according with rail way norms and criteria.
- Core competences in painting process are whether external and big items like front mask or internal furniture elements.
- The ability to manage different kinds of paint base, it was created step by step in function of the customer request for antigrafiti or luxury finishing.
- As well Clagi-Coplass is able to paint whether on composite support or metallic support with various aesthetical solutions.



EQUIPMENT & POTENTIAL

METAL CONSTRUCTION & DEEP DRAWING AREA



■ Clagi – Coplass philosophy is green design oriented. This reason drives to develop new recycle technologies others that composite.

Metal construction with aluminum and stainless steel is possible to support and integrate composite construction, or to realize individual items for internal and external furniture.

Particular importance it is dedicated at Deep Drawing Technology up to realize 3D items in metallic material reducing costs, weight and environment impact.

Welding special process it is assure by certification DIN 6700. Traditional skills are integrated with moderns CNC machines to assure each kind of realization in our production flow.



EQUIPMENT & POTENTIAL SANDWICH CONSTRUCTION AREA



■ Clagi – Coplass philosophy is green design oriented. This reason drives to develop new recycle technologies others that composite.

Sandwich Panel with different cores (honey comb, cork, aluminum etc) is a specialization that it is always under improvement according the newest exigencies of rail way market.

Hybrid products composed by Sandwich panel / composite / metal construction is the top of Clagi – Coplass technology.

This technology permit to realize as well floor system, lateral , structural walls, ceiling panel, space closet, toilet cabin and all the other application for railway in



EQUIPMENT & POTENTIAL ASSEMBLY / INTEGRATION AREA



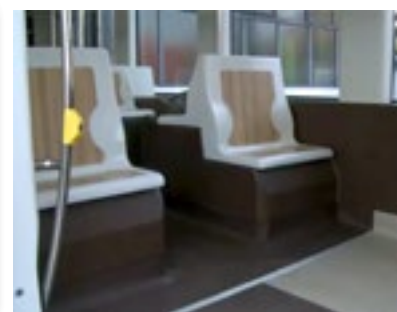
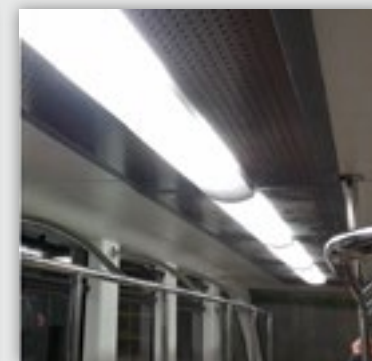
■ The summit of Clagi – Coplass production is the assembly of total integrated complete interiors and toilets systems, front hoods, external masks, side, roof covers, drive cabs and lighting systems for railway vehicles.

The aim is to offer, at our customers, products and systems as much complete as possible in each application

- One responsible for the entire project
- One manager for style – design – engineering – tooling – production and service
- One responsible for total quality vision for the entire project aspects are the real advantages of Clagi – Coplass assembly and integration process.



EQUIPMENT & POTENTIAL ASSEMBLY / INTEGRATION AREA



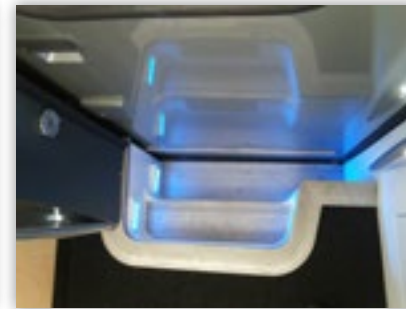
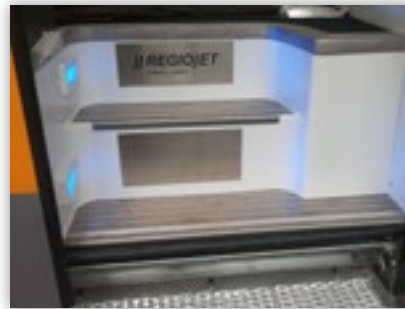
EQUIPMENT & POTENTIAL ASSEMBLY / INTEGRATION AREA



EQUIPMENT & POTENTIAL ASSEMBLY / INTEGRATION AREA



EQUIPMENT & POTENTIAL ASSEMBLY / INTEGRATION AREA



EQUIPMENT & POTENTIAL
ASSEMBLY / INTEGRATION AREA



EQUIPMENT & POTENTIAL

TECHNICAL / DESIGN DEPARTMENT

■ Form 1997 first mechanical engineer, one AutoCAD Station to:

- 2005 Internal Project Catia V5 of:
- New Pendolino T.I.
- New Pendolino CIS
- New Pendolino hk
- Flats and covers T.I.
- Flats and covers CIS
- Flats and covers CHINA
- Double deck train Acvila
- Double deck coach 36 16
- Mono deck coach Blue Hexagon
- First class sleeping coach
- Genova Casella Tram Train
- Metro Genova
- Mono deck coach Inter Regio
- Spoiler Val Siemens
- EMU Softronic
- Tram Imperio
- VIP Sleeping Coach
- Transformer Car
- Arenaways Saloon
- Arenaways Market
- Restaurant Car
- Metro Milano Expo
- Mono deck Kitchen
- Mono deck coach Regiojet



INFORMATIONAL MEANS

Personnel structure:

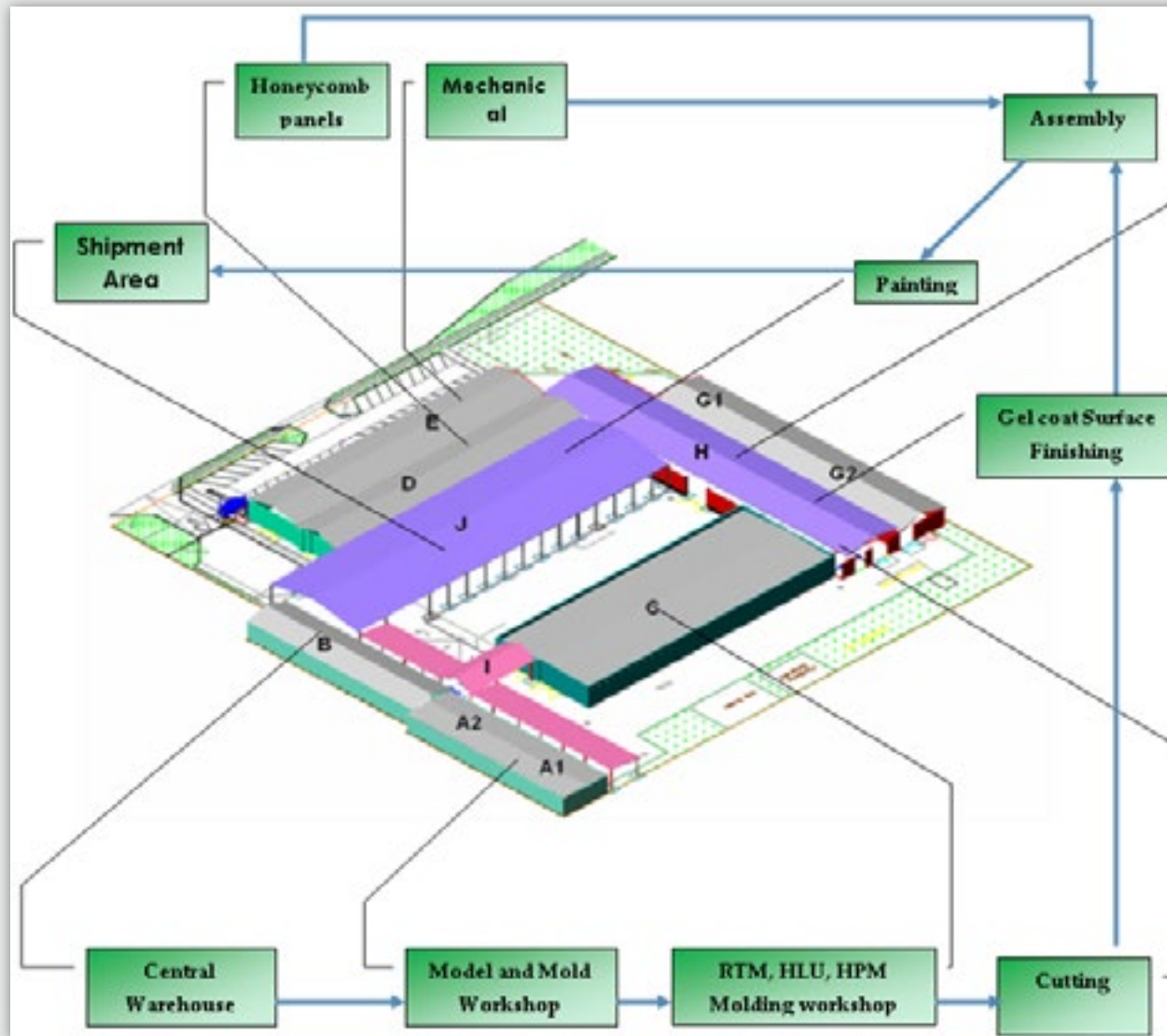
- 7 mechanical engineers
- 4 chemical engineers
- 1 Electro-mechanical engineer
- 1 Mechanical technician

FACTORY STRUCTURE

PRODUCTION FLOW

Personnel structure:

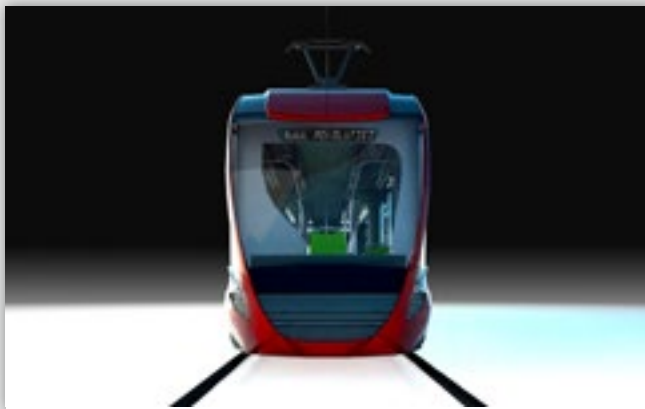
- 7 mechanical engineers
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BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS CATEGORIES

IN THIS SECTION:

Complete Toilet System
Front Masks
External masks, side, roof covers
Drive cabs
Complete Interiors
References for
Metro
Tram
EMU / DMU
Mono Deck
Double Deck
High Speed Train



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE TOILET SYSTEM



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE TOILET SYSTEM

- Toilet systems produced till now 7873
- 54 Different Projects

No.	Customer	Project	Type	Quantity	Technology	Resin	Finishing
1	Trevi Group	ETR 500	Standard	1400	HLU+RTM+HPM	Phenol	Painted
2	Keller	UIC-Z1	Standard	284	HLU	Polyester	Painted
3	Trenitalia	UIC-X Giubileo 2000	Standard	360	HLU+RTM	Polyester	Painted
4	Trenitalia	UIC-X Revamping	Universal	135	HLU+RTM	Phenol	Painted
5	Trenitalia	UIC-X Revamping	Standard	72	HLU+RTM	Phenol	Painted
6	Trenitalia	Revamping Down floor	Standard	720	HLU+RTM+HPM	Polyester	Gel Coat
7	Trenitalia	Revamping Down floor	Universal	80	HLU+RTM	Polyester	Gel Coat
8	Trenitalia	Revamping Double deck	Universal	80	HLU+RTM	Polyester	Gel Coat
9	Trenitalia	ETR 500 Brand AV (Face Lift)	Universal	24	HLU+RTM	Polyester	Painted
10	Trenitalia	ETR 500 Brand AV (Face Lift)	Standard	480	HLU+RTM	Polyester	Painted
11	SNCF	VB2N	Standard	235	HLU	Polyester	Gel Coat
12	Ansaldobreda	TAF Morocco	Standard	54	HLU	Polyester	Gel Coat
13	Ansaldobreda	TAF Morocco	Universal	18	HLU	Polyester	Gel Coat
14	Ansaldobreda	EMU 250 (Belgium - Netherlands)	Standard	34	HLU	Polyester	Gel Coat
15	Ansaldobreda	EMU 250 (Belgium - Netherlands)	Universal	10	HLU	Polyester	Gel Coat
16	Ansaldobreda	TSR	Universal	152	HLU	Polyester	Gel Coat
17	Trenitalia	Face Lift Z1	Universal	70	HLU	Polyester	Gel Coat
18	Trenitalia	Face Lift Z1	Standard	140	HLU	Polyester	Gel Coat
19	CFR Romania	UIC-Z1	Standard	140	HLU	Polyester	Painted
20	CFR Romania	Double deck	Standard	33	HLU	Polyester	Gel Coat
21	Giumma	Eurotunnel	Standard	13	HLU	Polyester	Gel Coat
22	Trenitalia	Double deck	Standard	216	HLU+RTM	Phenol	Painted
23	Trenitalia	Double deck	Universal	54	HLU+RTM	Phenol	Painted
24	Ansaldobreda	Sangritane	Standard	4	HLU	Polyester	Gel Coat
25	Ansaldobreda	Sangritane	Universal	5	HLU	Polyester	Gel Coat



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE TOILET SYSTEM



No.	Customer	Project	Type	Quantity	Technology	Resin	Finishing
26	AnsaldoBreda	IC 901	Standard	168	HLU+RTM	Polyester	Gel Coat
27	AnsaldoBreda	IC 901	Universal	58	HLU+RTM	Polyester	Gel Coat
28	Alstom	New Pendolino	Standard	208	HLU+RTM	Phenol	Painted
29	Alstom	New Pendolino	Universal	26	HLU+RTM	Phenol	Painted
30	Alstom	CTR	Universal	112	HLU	Polyester	Gel Coat
31	Temoina	Lanzaderas	Standard	39	HLU	Polyester	Gel Coat
32	Temoina	Lanzaderas	Universal	13	HLU	Polyester	Gel Coat
33	Siemens (K-B)	Rail Jet OBB	Standard	230	HLU+RTM	Polyester	Painted
34	Siemens (K-B)	Rail Jet OBB	Universal	34	HLU+RTM	Polyester	Painted
35	Siemens (K-B)	Israel	Standard	44	HLU+RTM	Polyester	Painted
36	Siemens (K-B)	Israel	Universal	18	HLU+RTM	Polyester	Painted
37	Remar Romania	Acvila	Standard	36	HLU	Polyester	Painted
38	Remar Romania	Acvila	Universal	12	HLU	Polyester	Painted
39	Remar Romania	Blue Hexagon	Standard	24	HLU	Polyester	Painted
40	Remar Romania	Double Deck 36-16	Universal	6	HLU	Polyester	Painted
41	Astra Vagoane	Interregio	Standard	40	HLU	Polyester	Painted
42	Astra Vagoane	Intercity	Universal	5	HLU	Polyester	Gel Coat
43	Koncar-Kev	EMU/DMU Low Floor	Standard	3	HLU	Polyester	Gel Coat
44	Koncar-Kev	EMU/DMU Low Floor	Universal	1	HLU	Polyester	Gel Coat
45	Arenaways	Intercity	Standard	8	HLU	Polyester	Gel Coat
46	Arenaways	Intercity	Universal	2	HLU	Polyester	Gel Coat
47	Astra Vagoane	Sleeping Coach	Standard	4	HLU	Polyester	Painted
48	Astra Vagoane	Shower Toilet	Standard	4	HLU	Polyester	Painted
49	Astra Vagoane	Compartment Shower Toilet	Standard	8	HLU	Polyester	Painted
50	BBBari	Testing Car	Standard	1	HLU	Polyester	Painted
51	Kryukov	Restaurant Coach	Shower Box	5	HLU+Aluminium	Polyester	Painted
52	Kryukov	Restaurant Coach	Standard	5	HLU+Aluminium	Polyester	Painted
53	Pars Nova	Project Bemm	Standard	80	Aluminium	Polyester	Gel Coat
54	RegioJet coach		standard	18	HLU	Polyester	Painted

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

Alstom New Pendolino Trenitalia and Cisalpino

- STD and UNI Complete Toilet System



Siemens Israel Project

- STD and UNI Complete Toilet System



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

ETR 500 Eurostar

- STD and UNI Complete Toilet System



Siemens Rail Jet OBB Project

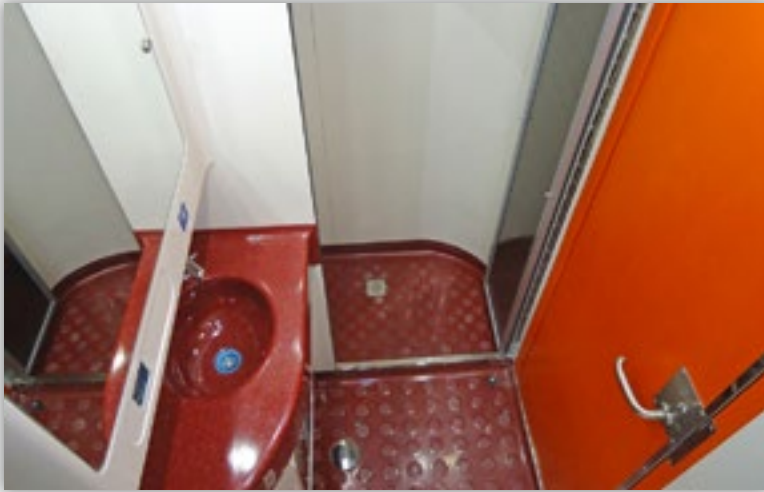
- STD and UNI Complete Toilet System



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

Toilet-Shower Astra Vagoane Sleeping Coach STD

- STD and UNI Complete Toilet System



Toilet Astra Vagoane Sleeping Coach STD

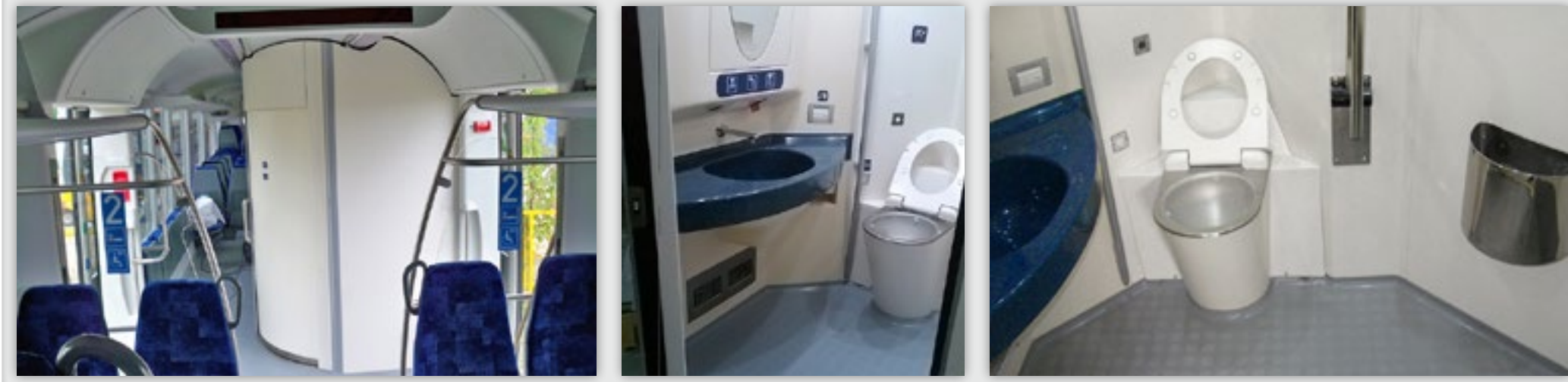
- STD and UNI Complete Toilet System



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

Koncar Gredelj Consortium BOX HK

- HK Complete Toilet System



Koncar Gredelj Consortium BOX STD

- STD Complete Toilet System



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

Toilet Arenaways HK

- HK Complete Toilet System



Toilet Arenaways STD

- STD and UNI Complete Toilet System



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

Toilet RegioJet STD

- STD Complete Toilet System



FRONT MASKS + DRIVE CABS

- Bombardier Transportation, Metro Bucharest



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

FRONT MASKS + DRIVE CABS

- AnsaldoBreda, Tram Sirio Bergamo



FRONT MASKS + DRIVE CABS

- Astra Vagoane, Tram Imperio



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

FRONT MASKS + DRIVE CABS

- AnsaldoBreda and Firema, T.S.R. EMU Double Deck



FRONT MASKS + DRIVE CABS

- Corifer, Vivalto Push – Pull Double Deck



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

FRONT MASKS + DRIVE CABS

- AnsaldoBreda Push Pull Double Deck New Vivalto



FRONT MASKS + DRIVE CABS

- AnsaldoBreda Metro Genova



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

FRONT MASKS + DRIVE CABS

- AnsaldoBreda Metro Milano



FRONT MASKS + DRIVE CABS

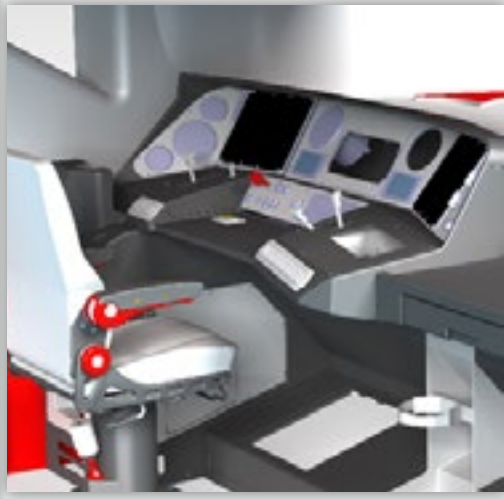
- Bombardier AGC for SNCF



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

FRONT MASKS + DRIVE CABS

- Softronic, EMU



- Firema, MCNE



FRONT MASKS + DRIVE CABS

- AnsaldoBreda, Metro Los Angeles



- AnsaldoBreda, Genova Casella Tram Train



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

EXTERNAL MASKS, SIDE, ROOF COVERS

- Bombardier Transportation, EMU – DMU Talent



EXTERNAL MASKS, SIDE, ROOF COVERS

- Alstom, New Pendolino Trenitalia, Cisalpino and China



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR METRO

- Bombardier Transportation, Metro Bucharest



COMPLETE INTERIORS, REFERENCE FOR METRO

- AnsaldoBreda, Metro Roma, Metro Lima, Metro Washington



- - Windows Panels
- Upper Windows Panels Mask
- Vestibule Area
- Ceiling Panels

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR TRAM

- AnsaldoBreda, Tram Sirio Bergamo



COMPLETE INTERIORS, REFERENCE FOR TRAM

- AnsaldoBreda, Tram Los Angeles



- - Drive Cab
- I - Side wall Panels

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR METRO

- CAF metro Bucharest



- Ceiling
- Walls
- Drive Cab
- Handle Bars

COMPLETE INTERIORS, REFERENCE FOR METRO

- AnsaldoBreda Metro Milano EXPO

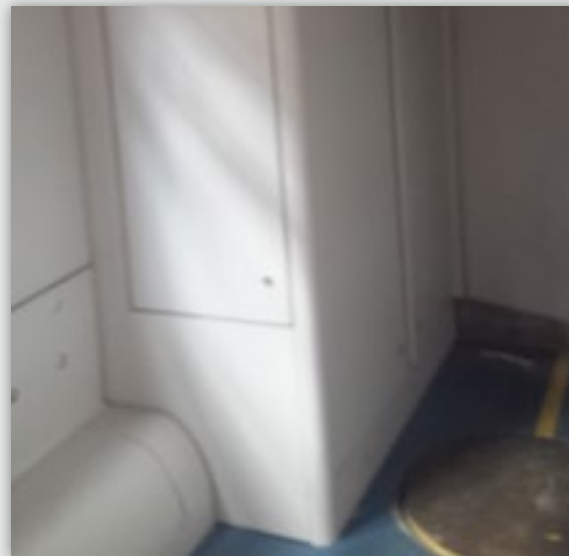


- Lateral ceiling
- Monitor covers

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR TRAM

- AnsaldoBreda Metro Genova - Complete Interior



COMPLETE INTERIORS, REFERENCE FOR TRAM



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR EMU-DMU

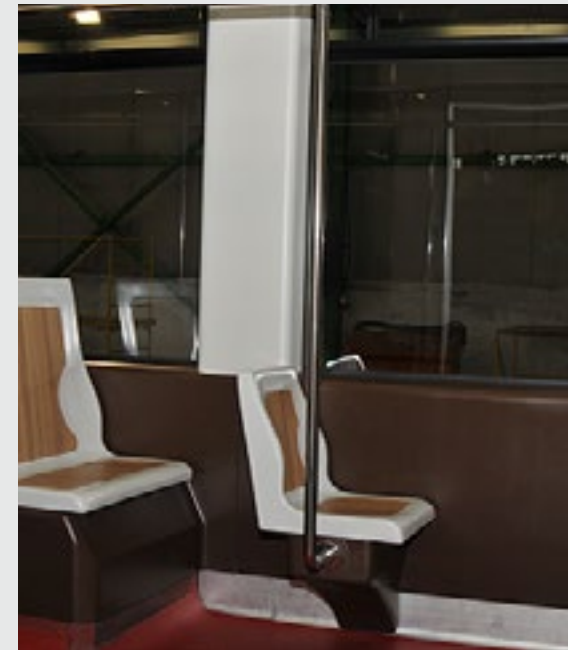
- Alstom, EMU – DMU Minuetto



- - Vestibule Area
- | - Toilet
- | - Tanks Space Closet

COMPLETE INTERIORS, REFERENCE FOR TRAM

- Astra Vagoane, Tram Imperio



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR EMU-DMU

- Koncar Kev, EMU – DMU



COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Alstom, DMU A-TER



- - Window Panels
- Door Pillars
- Ceiling Panels

- Complete Corridor Area - ■
- Vestibule Area - -
- Toilet - -

- Trenitalia, Z 1 Coach



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Astra Vagoane, Brazil Project Restaurant Coach



- ■ Complete Interior System

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Remar Pascani, Blue Hexagon



- ■ Trenitalia, UIC-X Coach

Side wall corridor italia - ■
 Ves tibule Area - |
 Toilet - |
 Ceiling - |
 Side wall Salon Area - |

- Trenitalia, UIC-X Coach



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Astra Vagoane, Ava Inter Regio Coach



- ■ Complete Interior System

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Astra Vagoane, Sleeping Coach



- ■ Complete Interior System

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Arenaways, Mono Deck Saloon Coach



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- Arenaways, Mono Deck Market Coach



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

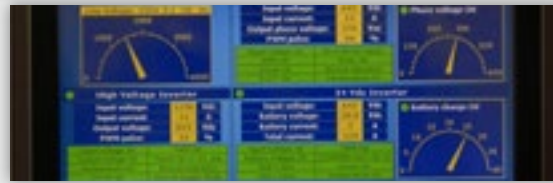
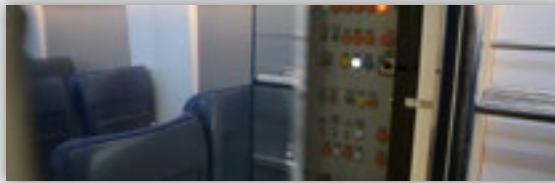
Product of the year
REGIOJET SALOON COACH



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR MONO-DEK

- RegioJet, Mono Deck Saloon Coach



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR DOUBLE-DEK

- Remar Pascani, Double Deck Train ACVILA



- Complete Interior System

COMPLETE INTERIORS, REFERENCE FOR DOUBLE-DEK

- Remar Pascani, Double Deck Coach 36 16



- Complete Interior System

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR DOUBLE-DEK

- AnsaldoBreda, T.A.F. Morocco EMU Double Deck



- - Toilet
- I - Various Interiors Elements

COMPLETE INTERIORS, REFERENCE FOR DOUBLE-DEK

- AnsaldoBreda and Firema, T.S.R. EMU



- - Front Mask
- I - Drive cab
- I - Toilet
- I - Various Interiors Elements

- Front Mask - ■
- Toilet STD - UNI - I
- Steps - I
- Various Interiors Elements - I

- Corifer, Vivalto Push – Pull Double Deck



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR DOUBLE-DEK

- SNCF, VB 2N Double Deck



■ Toilet STD

COMPLETE INTERIORS, REFERENCE FOR HIGH SPEED TRAIN

- Siemens, Israel



■ Toilet STD / UNI

BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR HIGH SPEED TRAIN

- AnsaldoBreda, EMU V 250



- - Toilet STD / UNI
- I - Drive Cab

COMPLETE INTERIORS, REFERENCE FOR HIGH SPEED TRAIN

- Alstom, New Pendolino Trenitalia and Cisalpino



- - Toilet STD / UNI
- Toilet STD / UNI
- Flat End Covers
- I - External Lateral Mask



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR HIGH SPEED TRAIN

- Alstom, New Pendolino China



- Flat End Covers

COMPLETE INTERIORS, REFERENCE FOR HIGH SPEED TRAIN

- Siemens, Rail Jet OBB



- Toilet STD / UNI



BUSSINES CORE AND REFERENCES BY RAILWAY PRODUCTS

COMPLETE INTERIORS, REFERENCE FOR HIGH SPEED TRAIN

- Trenitalia, ETR 500 Eurostar



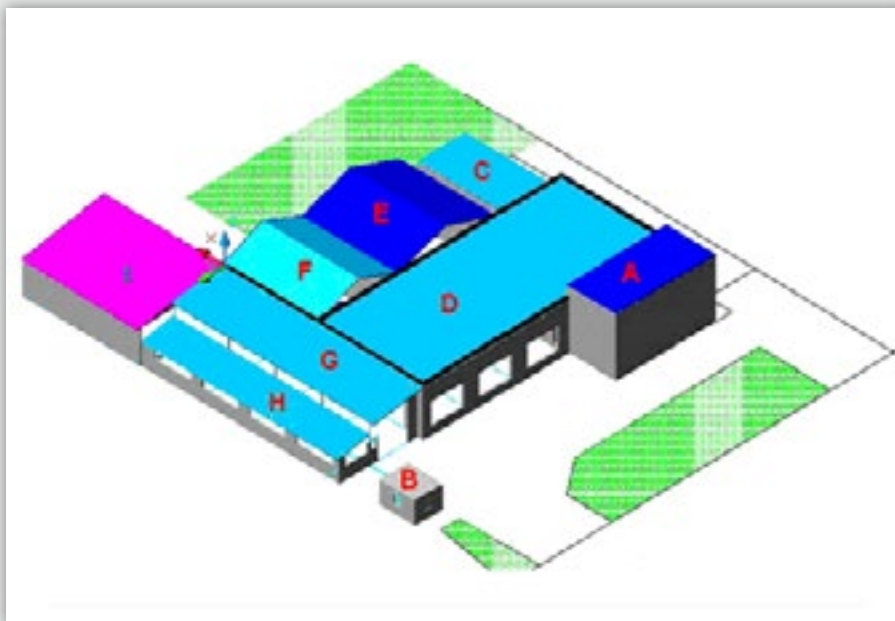
- - Toilet STD / UNI
- Vestibule Area
- Complete Side Wall
- Window Mask
- Under Window Panels
- Baggage Racket
- Lateral Ceiling Panels

CLAGI-COPLASS FACILITIES

LOGISTIC, SERVICE AND ASSISTANCE CENTER, ITALY

- Clagi – Coplass has a site in Italy, that works like logistic point , remote function, offers service and assistance at different customers on Italian market . Total area of 1.200 sq m covered on an area of 3.000.

Site covered by IRIS Certification

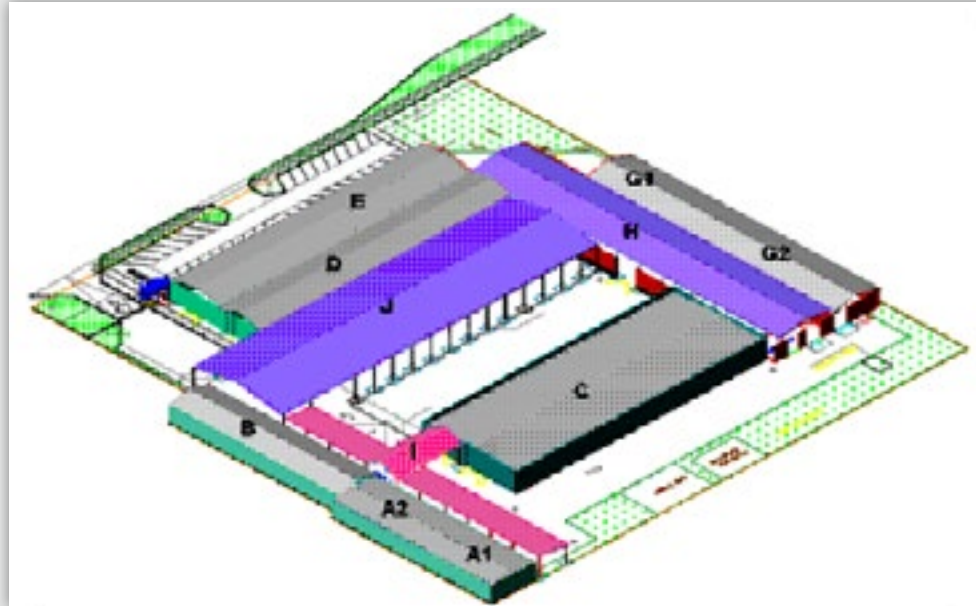


- A. OFFICE BUILDING – 72 mp
- B. GATEKEEPER CABIN – 16 mp
- C. STORAGE AREA 20/0.4KV – 72 mp
- D. PRODUCTION HALL – 372 mp
- E. STORAGE AREA – 65 mp
- F. STORAGE AREA – 60 mp
- G. STORAGE AREA – 125 mp
- H. STORAGE AREA – 100 mp
- I. WAREHOUSE – 250 mp

CLAGI-COPLASS FACILITIES DESIGN AND PRODUCTION CENTER

- Clagi – Coplass site is a center of design and production based in Romania:
9.140 sq m covered, on area of 15.000 sq m:

Site covered by IRIS Certification



- A1 – Model manufacturing and moulds reconditioning, 354 sq m
- A2 – Packing manufacturing, 144 sq m
- B - Central warehouse, 370 sq m
- C - Molding department RTM, HLU-HPM, 1675 sq m
- C - Offices, 400 sq m
- D - Honeycomb panels manufacturing, 660 sq m
- E - Mechanical workshop, 871 sq m
- G1 – Cloakrooms, bath rooms, rest rooms, 360 sq m
- G2 – Cutting sector, curing and de molding area, 432 sq m
- H - Assembly and integration sector, 1230 sq m
- I - Shed for molds and packing items, 620 sq m
- J - Assembly and painting area, 2030 sq m.

LIST OF MACHINES DIVIDED BY LOCATIONS

WAREHOUSE

Electrical piler LINDE 3.000kg of 4,4m.....	1 pc
Piler UMT 3.200KG of 3m.....	1 pc
Piler UMT 1.600KG of 2,5m.....	1 pc
Mechanical transpallets.....	6 pcs
Cleaning machine Rotocar.....	1 pc
Solvent distiller CLEFFE.....	1 pc
Inclination balance 200kg.....	1 pc

MODELS AND MOULDS

Saw Cosma 650-mm band.....	1 pc
Tool dresser CITV 25/KS.....	1 pc
Grinder stone Salvarani 1,4 CV.....	1 pc
Circular saw for wood CMS 1,8 CV.....	1 pc
Drilling machine ERRMAC 6 speeds 1,4 CV.....	1 pc
Metal Slitting Machine Perazzoli Brown 250.....	1 pc
Circular saw for wood of certain width Cavallini e Macchini 410x1700.....	1 pc
Metal bench 2500x1000.....	1 pc
Calibrated bench on wheels for moulds 1650x650.....	1 pc
Absorption benches 1800x1900 Cioffi e Baroni.....	2 pcs
The whole installation has a central absorption system.....	1 pc
Board with 63 drawers 2000x1500x500.....	1 pc
Tool case with 30 drawers 1400x600x700.....	1 pc
CNC 5 axes milling machine 4000 x 2000x 800.....	1 pc
Borders cutting machine SICAR SF 900.....	1 pc
2 face grinder SCB CL 1 NT 1100.....	1 pc
Nova Ciben Miller.....	1 pc
Circular saw UF Utensil Fiorentina.....	1 pc
Adhesive film coating equipment with 1,5 m width. Cylinders.....	1 pc
Burnisher with iron cleaning bags PD 250.....	1 pc
Over table circular disc TECNORADIAL 800.....	1 pc
Polishing machine with 2 (600 mm diameter) vertically discs.....	1 pc
Aspiratory with garbage bags (4 – 32 bags).....	6 pcs
Exhauster Cioffi e Baroni 12.000 c.m. /h for tools and machines.....	1 pc
Exhauster Italcana 20.000 c.m. /h 5kW.....	1 pc

LIST OF MACHINES DIVIDED BY LOCATIONS

GRP MANUFACTURING WORKSHOP

Benches knife 1000x1500 Cocchi	1 pc
Plane cutting bench (Aluminium) 1500x3000	1 pc
Travelling roll with 8 positions.....	1 pc
Water screen cabins 8 meters long	2 pcs
Gel-coat sprayer for 4 colours SS-727- M- 35/ VEN MULTICOLOR with internal	
Stirring and AIR ASSIST NOZZLE Venus Gusmer.....	1 pc
Benches of different dimensions on wheels	15 pcs
Cleaning tools tanks	22 pcs
Hand trucks	4 pcs
Plans 1500x450.....	10 pcs
1,2 tons lift truck	1 pc
Press PFH 4X1000X2200, 4 superior mobile plans, 40 pistons, width 1800 mm, and total force 8000 kN	1 pc
Press PFH 1X1300X2600, 8 pistons, plan width 900 mm, total force 1600 kN.....	1 pc
Press PFH 2X1800X1000, 8 pistons, plan width 900 mm, total force 1600 kN.....	1 pc
Press TEM 1X100X1000, 1 mobile superior plan, 1 piston, plan width 1400 mm	
Total force 500 kN, 2 speeds.....	1 pc
Concrete form vibratory table (1500 X 3500 mm).....	1 pc
Mobile furnace for performing 2000x1000, 20 kW.....	1 pc
Mixing machines, speed (60 turns / minute) capacity 30 lt.....	4 pcs
Vacuum degassing unit	1 pc
Cleaning tools tanks	1 pc
Oil diathermy heating central for moulds serpentines	1 pc
Resin Injection Machine	1 pc
Recirculation pumps	2 pcs
Currying Owen.....	3 pcs
Vacuum pump VAN PACK Plastech for RTM	1 pc
Cleaning tools tanks	2 pcs

LIST OF MACHINES DIVIDED BY LOCATIONS

GRP MANUFACTURING WORKSHOP

Low pressure mixing mechanised machine POLITEC T/45 - 5 electronically timers	
And Automatically / manual selector	1 pc
Stirring engine with flow reduction.....	1 pc

COMPOSITE CUTTING

Absorbing benches 2000x1000	2 pcs
Absorbing bench 1200x1200.....	1 pc
Abrasion device with inclinable band 90° 250x3000	1 pc
Radial cutting machine Techno radial 800	1 pc
Toupee Victoria 4 speeds, inclinable plan 900x900, arm 35	1 pc
Toupee Victoria 1 speed, inclinable plan 900x800, arm 25.....	1 pc

PAINTING

Pressured painting rooms 300 sq., 1.200.000 kcal, 200.000 cubic meters / hour	7 pcs
Blowing engine Saima 35.000 c.m. /h 8 kW	1 pc
Low pressure sprayer Colora Varimix BPMC.....	1 pc
Precision electronic balances (0 -15 kg).....	4 pcs
Cleaning tools tanks	8 pcs
Hand trucks of different dimensions on wheels for grid floor.....	36 pcs

ASSEMBLY AND FINISHING DEPARTMENT

Benches from which 1 with a fixing device	4 pcs
Drawings support mounted on the wall	1 pc

LIST OF MACHINES DIVIDED BY LOCATIONS

HONEYCOMB WORKSHOP

5 tons hydraulic press Giben Pianoro.....	2 pcs
2 face grinder	1 pc
CNC 3 axes milling machine.....	1 pc
CNC hot bending machine for HPL.....	1 pc
Roll bonding machine.....	2 pcs
Sanding cabin	1 pc

CHECKING

Metal shaped benches 22 sq.....	8 pcs
Lockers for checking instruments	4 pcs

PACKAGING

Benches 4000x1500 with Aluminium plan and 2 travelling rolls.....	2 pcs
Packaging automatic machine in thermo sensitive material.....	1 pc

METALLIC PARTS MANUFACTURING WORKSHOP

- Milling machine 3 pcs
- Lathe 3 pcs
- Lathe Saro 3000 1 pc
- Driller 7 pcs
- Driller MG 12 1 pc
- Cutting device with abrasive disk 2 pcs
- Cutting machine with disk 1 pc
- Big guillotine 1 pc
- Small guillotine 1 pc
- Bending Machine 1 pc
- Hydraulic CNC Bending Machine 200 tF 1 pc
- CNC Plasma Cutting machine 1 pc
- CNC Water jet Cutting machine 1 pc.

- Welding gas machine (MIG) 5 pcs
- Welding VIG machine 3 pc
- Point welding machine 1 pc
- Grinder FY 500 3 pcs
- Burnisher PD 250 1 pc
- Hydraulic press 40T 1 pc
- Hydraulic press 5T 1 pc
- Mechanical press 25T 1 pc
- Mechanical press 40T 1 pc
- Aluminium profiles cutting equipment 1 pc
- Plasma cutting machine CLOS MINI CUT 60 1 pc
- Mobile aspiratory with filter bags 2 pcs
- 5 tons hydraulic press Giben Pianoro 1 pc
- Sectional cutting machine with mobile cutting – of wheel 1 pc

Contact:



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