

ENVIRONMENTAL PRODUCT DECLARATION

MERCHANT BARS ITALIAN PLANTS AVERAGE

AFV ACCIAIERIE BELTRAME S.P.A.
AFV BELTRAME GROUP



Based on PCR

PCR 2019:14
Construction products
v 1.1, 2020-09-14

EN:15804:2012+A2:2019

ISO 14025

Certification N°

S-P-01558

CPC Code

41

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2019-10-20

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2021-05-11 - rev 1

Programme:

The International
EPD System
www.environdec.com

Valid until

2026-03-02

Programme operator:

EPD International AB

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com

GENERAL INFORMATION

EPD REFERENCES

EPD OWNER: AFV ACCIAIERIE BELTRAME SPA, VIALE DELLA SCIENZA 81, 36100, VICENZA – ITALY
PIAZZA GIACOMO MATTEOTTI, 13, 52027 SAN GIOVANNI VALDARNO AREZZO – ITALY
VIA PRAMOLLE, 1, 10050 SAN DIDERO TORINO – ITALY

PROGRAM OPERATOR: EPD INTERNATIONAL AB, BOX 21060, SE-100 31 STOCKHOLM, SWEDEN; INFO@ENVIRONDEC.COM

INDEPENDENT VERIFICATION

This declaration has been developed referring to the International EPD System, following the General Programme Instructions v 3.01; further information and the document itself are available at: www.environdec.com. EPD document valid within the following geographical area: Italy and other countries worldwide according to sales market conditions.

ISO standard ISO 21930 and CEN standard EN 15804 served as the core PCR
PCR 2019:14 Construction products, Version 1.1, 2020-09-14
PCR review was conducted by: The Technical Committee of the International EPD® System. See www.environdec.com/TC for a list of members. Review chair: Claudia A. Peña, University of Concepción, Chile. The review panel may be contacted via the Secretariat www.environdec.com/contact.

Independent verification of the declaration and data, according to EN ISO 14025 : 2010

Third party verifier: ICMQ SpA, via De Castilia, 10 20124 Milano (www.icmq.it) ☐ EPD process certification (Internal) ☒ EPD verification (External)

Accredited by: Accredia
Procedure for follow-up during EPD validity involves third party verifier ☒ YES ☐ NO

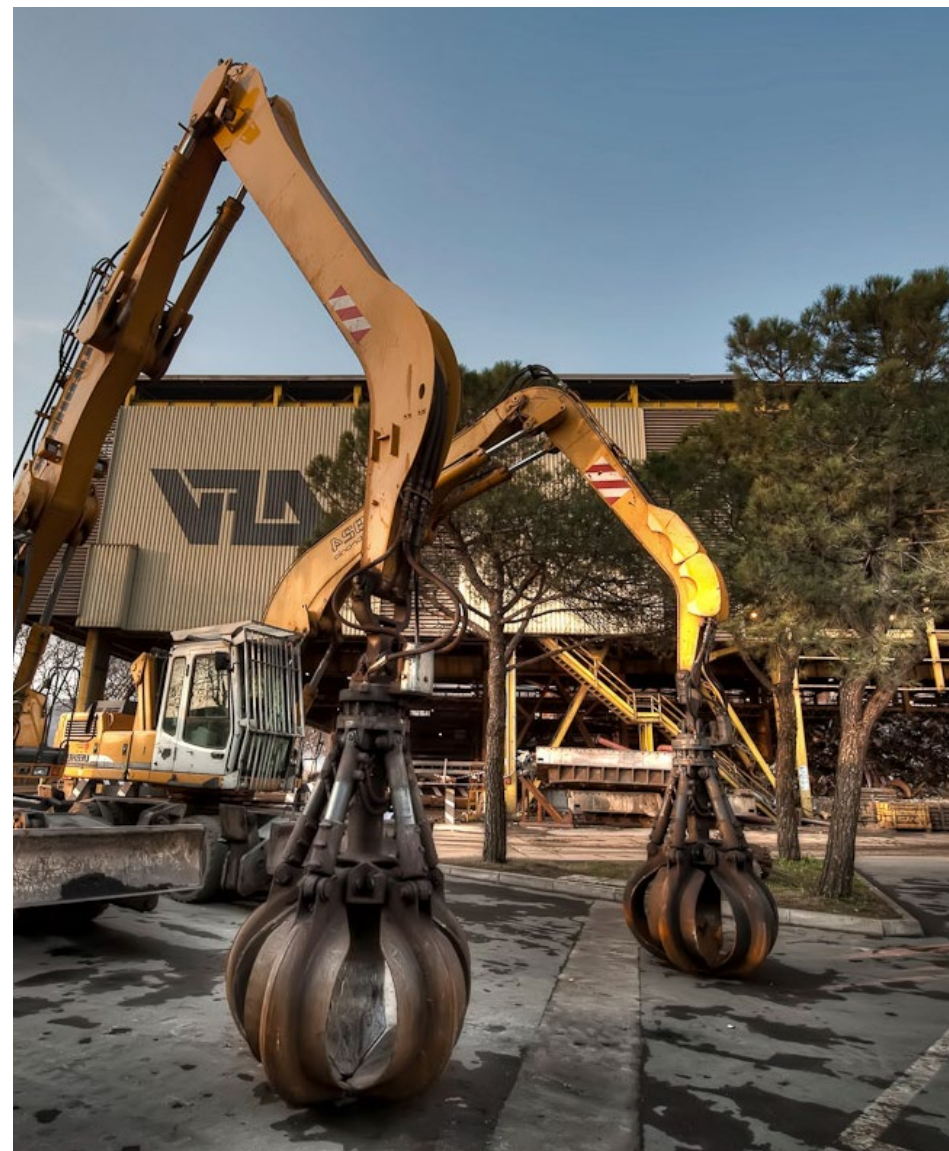
Environmental declarations published within the same product category, but from different programmes may not be comparable. In particular, EPDs of construction products may not be comparable if they do not comply with EN 15804. EPD owner has the sole ownership, liability and responsibility of the EPD.

CONTACTS

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AFV BELTRAME GROUP

Technical support to Beltrame Group was provided by Life Cycle Engineering, Italy.
(info@studiolce.it, www.lcengineering.eu).



THE COMPANY

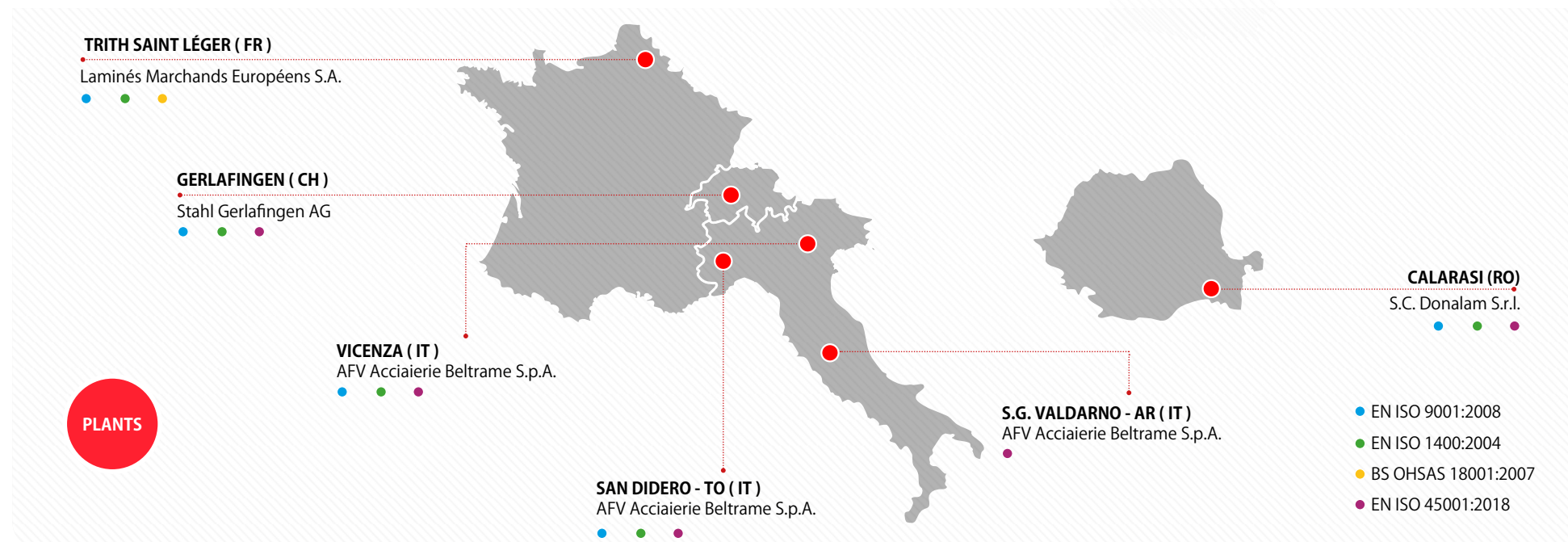
The AFV Beltrame Group has operated in the steel industry for over a century, producing rolled sections for use in construction, shipyards, and excavators.

The facilities, which have a production capacity of approximately **3,2 million tons**, include three electric furnaces and ten rolling mills. These are scattered in six plants located in **Italy, France, Switzerland, and Romania**.

Their geographical distribution is very advantageous given the areas where the products are consumed and those where raw materials are purchased.

The AFV Beltrame Group is commercially present in all European markets as well as in the Mediterranean region through shares in local companies, agents, or the internal sales force. All employees, amounting to approximately **2,000 people**, are strongly committed and motivated to satisfy the customers' needs through constant improvements in production, organization and level of service.

In order to support the principles in the code of ethics and the policy regarding **Quality, Health and Safety**, and the **Environment** (QHSE), all production plants have adopted an Integrated Management System.



SCOPE AND TYPE OF EPD®

THE APPROACH USED IN THIS EPD IS "CRADLE TO GATE WITH OPTIONS" ONE

TABLE OF MODULES

| | PRODUCT STAGE | | | CONSTRUCTION PROCESS STAGE | | USE STAGE | | | | | | | END OF LIFE STAGE | | | | BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES |
|---------------------------|---------------------|-----------|---------------|-------------------------------------|----------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|-----------------------------|-----------|------------------|----------|---|
| | Raw material supply | Transport | Manufacturing | Transport from the gate to the site | Assembly | Use | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De- construction demolition | Transport | Waste processing | Disposal | Reuse - Recovery - Recycling potential |
| MODULE | A1 | A2 | A3 | A4 | A5 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | C1 | C2 | C3 | C4 | D |
| Module declared | X | X | X | X | - | MND | MND | MND | MND | MND | MND | MND | X | X | X | X | X |
| Geography | IT | IT | IT | WLD | - | - | - | - | - | - | - | - | WLD | WLD | WLD | WLD | WLD |
| Specific data used | > 90% | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Variation-products | NOT RELEVANT | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Variation-sites: Vicenza | < 10% | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Variation-sites: S.D.* | 9,0% | 12,1% | 13,1% | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Variation-sites: S.G.V.** | 12,5% | 81,4% | 19,0% | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

TYPE OF EPD®: Product EPD®

REPORT LCA: Life Cycle Assessment (LCA) of hot rolled bars via EAF process.

REFERENCE PERIOD: 2019

GEOGRAPHICAL SCOPE OF THE EPD: World according to sales market conditions.

AVERAGING: Weighted on the plant production.

SOFTWARE: SimaPro ver. 9.1.1.1 (www.pre.nl)

MAIN DATABASE: Ecoinvent 3.6

Environmental declarations published within the same product category, though originating from different programs, may not be comparable.

*S.D. indicates San Didero Plant

**S.G.V. indicates San Giovanni Valdarno Plant

DETAILED PRODUCT DESCRIPTION

This EPD refers to construction products hot rolled structural profiles and merchant bars produced at **Vicenza, San Didero (TO)** and **San Giovanni Valdarno (AR)** plants, with electric arc furnace route, starting from post and pre consumer steel scraps, varying steel grades, e.g. S235, S275, S355, etc..

PRODUCT DIMENSIONS AND SPECIFIC STANDARDS:

- » EN 10025-1:2004 » EN 10025-5:2004,
- » EN 10025-2:2004 » Attestation of conformity system 2+ (CE marking)

CONTENT DECLARATION

| MATERIAL | MASS SHARE |
|----------------|------------|
| IRON | 96 % |
| ALLOY ELEMENTS | 2 % |
| OTHER ELEMENTS | 2 % |

- No packaging is required for functional unit delivery and distribution, and no renewable material is contained in functional unit

| PRODUCT | STANDARD | DIMENSIONS (mm) | | THICKNESS (mm) | |
|--------------------|---------------------------------|-----------------|-----|----------------|-----|
| | | from | to | from | to |
| I sections | EN 10034:1993 | 80 | 160 | 5,2 | 7,4 |
| Tees | EN 10055:1995 | 20 | 100 | 3 | 11 |
| Angles | EN 10056-1:1998 EN 10056-2:1993 | 15 | 160 | 3 | 16 |
| Angles sharp edges | DIN 1022:2004 | 20 | 100 | 3 | 11 |
| Flats | EN 10058:2003 | 10 | 150 | 3 | 50 |
| Wide flats | DIN 59200:2001 | 151 | 250 | 5 | 30 |
| Squares | EN 10059:2003 | - | - | 10 | 50 |
| Rounds | EN 10060:2003 | - | - | 6 | 30 |
| U channels | EN 10279:2000 | 30 | 160 | 4 | 7,5 |

ENVIRONMENTAL PERFORMANCE

The detailed environmental performance (in terms of potential environmental impacts, use of resources and waste generation) is presented for the three phases Upstream, Core and Downstream and related sub-phases (A1-A2-A3-A4-C1-C2-C3-C4-D). Construction installation (A5) and use phase (B1 - B7) are modules not declared (MND).

DECLARED UNIT (D.U.) The declared unit is 1 tonne (1 000 kg) of hot rolled merchant bar.

| | VICENZA | SAN DIDERO | SAN GIOVANNI VALDARNO | TOTAL |
|------------------|---------|------------|-----------------------|---------|
| PRODUCTION [t] | 616 375 | 105 862 | 44 700 | 766 937 |
| SHARING | 80% | 14% | 6% | 100% |

VICENZA, SAN DIDERO AND SAN GIOVANNI VALDARNO'S DATA HAVE BEEN ELABORATED TO GENERATE SINGLE RESULTS THAT REPRESENT A WEIGHTED AVERAGE OF THE THREE PLANTS. THE WEIGHT OF EVERY PLANT IS GIVEN ACCORDING TO THEIR PRODUCTION

AFV BELTRAME - ITALIAN PLANTS

GWP Global warming potential, total

GWP,f Global warming potential, fossil

GWP,b Global warming potential, biogenic

GWP,luluc Global warming potential, land use & land use change

GWP,ghg Global warming potential, excluding biogenic uptake,
emission and storage

ODP Ozone depletion potential

AP Acidification Potential

EP,f Eutrophication potential, freshwater

EP,m Eutrophication potential, marine

EP,t Eutrophication potential, terrestrial

POCP Photochemical ozone creation potential

ADPE Abiotic depletion potential minerals & metals*









ADPF Abiotic depletion potential fossil fuels*

WDP Water use deprivation potential*

*: The results of these environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator

Additional environmental impact indicators are computed in the LCA report but not reported in the EPD.









ENVIRONMENTAL IMPACTS PER DECLARED UNIT

| POTENTIAL ENVIRONMENTAL IMPACTS | UNITS / D.U. | UPSTREAM | CORE | | | DOWNSTREAM | | | | TOTAL* | D |
|---------------------------------|-----------------------|---|---|---|---|---|---|---|---|-----------------|----------|
| | | A1  | A2  | A3  | A4  | C1  | C2  | C3  | C4  | | |
| GWP | kg CO ₂ eq | 4,97E+02 | 5,00E+01 | 2,42E+02 | 8,50E+01 | 5,10E+01 | 2,62E+01 | 1,43E+01 | 1,26E-01 | 9,66E+02 | 6,31E+01 |
| GWP,f | kg CO ₂ eq | 4,97E+02 | 4,99E+01 | 2,42E+02 | 8,50E+01 | 5,10E+01 | 2,62E+01 | 1,43E+01 | 1,26E-01 | 9,65E+02 | 6,30E+01 |
| GWP,b | kg CO ₂ eq | 1,77E-01 | 7,34E-02 | 2,39E-01 | 5,13E-03 | 3,59E-03 | 1,65E-03 | 2,70E-02 | 1,74E-05 | 5,27E-01 | 8,79E-03 |
| GWP,luluc | kg CO ₂ eq | 6,89E-02 | 8,32E-04 | 7,85E-02 | 6,41E-04 | 7,40E-04 | 2,09E-04 | 9,54E-03 | 3,08E-06 | 1,59E-01 | 6,26E-03 |
| GWP,ghg | kg CO ₂ eq | 4,97E+02 | 4,99E+01 | 2,42E+02 | 8,50E+01 | 5,10E+01 | 2,62E+01 | 1,43E+01 | 1,26E-01 | 9,66E+02 | 6,31E+01 |
| ODP | kg CFC11 eq | 8,66E-05 | 1,12E-05 | 8,49E-06 | 1,96E-05 | 1,15E-05 | 6,12E-06 | 2,66E-06 | 2,63E-08 | 1,46E-04 | 1,88E-06 |
| AP | mol H+ eq | 1,93E+00 | 3,70E-01 | 4,34E-01 | 4,93E-01 | 5,52E-01 | 1,51E-01 | 1,23E-01 | 1,30E-03 | 4,06E+00 | 3,04E-01 |
| EP,f | kg P eq | 1,35E-02 | 1,47E-04 | 3,73E-03 | 5,54E-05 | 4,00E-05 | 1,57E-05 | 4,31E-04 | 4,60E-07 | 1,79E-02 | 3,77E-03 |
| EP,m | kg N eq | 3,77E-01 | 1,29E-01 | 1,26E-01 | 1,98E-01 | 2,47E-01 | 6,09E-02 | 4,79E-02 | 5,65E-04 | 1,19E+00 | 5,84E-02 |
| EP,t | mol N eq | 4,22E+00 | 1,43E+00 | 1,42E+00 | 2,17E+00 | 2,71E+00 | 6,69E-01 | 5,29E-01 | 6,20E-03 | 1,32E+01 | 6,60E-01 |
| POCP | kg NMVOC eq | 1,42E+00 | 3,69E-01 | 3,79E-01 | 5,65E-01 | 7,42E-01 | 1,74E-01 | 1,43E-01 | 1,73E-03 | 3,79E+00 | 3,22E-01 |
| ADPE | kg Sb eq | 1,21E-04 | 3,14E-06 | 2,34E-04 | 4,71E-06 | 2,28E-05 | 1,56E-06 | 9,04E-06 | 5,23E-08 | 3,96E-04 | 1,14E-03 |
| ADPF | MJ | 9,28E+03 | 7,12E+02 | 1,11E+03 | 1,21E+03 | 7,07E+02 | 3,74E+02 | 2,26E+02 | 1,68E+00 | 1,36E+04 | 5,08E+02 |
| WDP | m ³ | 3,81E+04 | 2,30E+00 | 3,79E+02 | 2,86E+01 | 1,37E-01 | -8,23E-02 | 9,01E-01 | 5,78E-04 | 3,85E+04 | 5,63E+00 |

AFV BELTRAME ITALIAN PLANTS

PERE Use of renewable primary energy excluding renewable primary energy resources used as raw materials
PERM Use of renewable primary energy resources used as raw materials
PERT Total use of renewable primary energy resources
PENRE Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials
PENRM Use of non-renewable primary energy resources used as raw materials
PENRT Total use of non-renewable primary energy resources
SM Use of secondary raw materials
RSF Use of renewable secondary fuels
NRSF Use of non-renewable secondary fuels
FW Use of net fresh water

RESOURCE USE PER DECLARED UNIT









| USE OF RESOURCES | UNITS / D.U. | UPSTREAM | CORE | | | DOWNSTREAM | | | | TOTAL* | D |
|------------------|----------------|---|---|---|---|---|---|---|---|-----------------|----------|
| | | A1  | A2  | A3  | A4  | C1  | C2  | C3  | C4  | | |
| PERE | MJ | 4,60E+02 | 1,60E+01 | 1,46E+02 | 1,70E+00 | 1,07E+00 | 5,23E-01 | 1,42E+01 | 6,35E-03 | 6,39E+02 | 4,69E+01 |
| PERM | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PERT | MJ | 4,60E+02 | 1,60E+01 | 1,46E+02 | 1,70E+00 | 1,07E+00 | 5,23E-01 | 1,42E+01 | 6,35E-03 | 6,39E+02 | 4,69E+01 |
| PENRE | MJ | 1,11E+04 | 7,08E+02 | 7,94E+02 | 1,18E+03 | 6,92E+02 | 3,65E+02 | 2,40E+02 | 1,68E+00 | 1,50E+04 | 7,56E+02 |
| PENRM | MJ | 0,00E+00 | 0,00E+00 | 4,66E+02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 4,66E+02 | 0,00E+00 |
| PENRT | MJ | 1,11E+04 | 7,08E+02 | 1,26E+03 | 1,18E+03 | 6,92E+02 | 3,65E+02 | 2,40E+02 | 1,68E+00 | 1,55E+04 | 7,56E+02 |
| SM | kg | 1,17E+03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,17E+03 | 0,00E+00 |
| RSF | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| NRSF | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| FW | m ³ | 8,88E+02 | 7,78E-02 | 9,28E+00 | 6,96E-01 | 1,82E-02 | 7,40E-03 | 7,20E-02 | 5,03E-05 | 8,98E+02 | 1,18E-01 |

*Totals may not correspond to the sum of the individual contributes due to approximations.

AFV BELTRAME ITALIAN PLANTS

HWD Hazardous waste disposed
NHWD Non-hazardous waste disposed
RWD Radioactive waste disposed
CRU Components for re-use
MFR Materials for recycling
MER Materials for energy recovery
EE Exported energy

OUTPUT FLOWS AND WASTE CATEGORIES PER DECLARED UNIT

| WASTE GENERATION AND TREATMENT | UNITS / D.U. | UPSTREAM | CORE | | | DOWNSTREAM | | | | TOTAL* | D |
|--------------------------------------|--------------|---|---|---|---|---|---|---|---|-----------------|----------|
| | | A1  | A2  | A3  | A4  | C1  | C2  | C3  | C4  | | |
| HWD | kg | 0,00E+00 | 0,00E+00 | 1,84E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,84E+00 | 0,00E+00 |
| NHWD | kg | 1,02E-01 | 0,00E+00 | 6,76E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 6,77E+01 | 0,00E+00 |
| RWD | kg | 1,19E-03 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,19E-03 | 0,00E+00 |
| CRU | kg | 2,11E-01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 2,11E-01 | 0,00E+00 |
| MFR | kg | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 1,23E+02 | 0,00E+00 |
| MER | kg | 0,00E+00 | 0,00E+00 | 1,23E+02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| EE | MJ | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |

*Totals may not correspond to the sum of the individual contributes due to approximations.

CALCULATION RULES

METHODOLOGY

The environmental burden of the product has been calculated according to the GPI v. 3.01 issued by the International EPD System¹ (Cradle to gate with options).

This declaration is based on the application of Life Cycle Assessment (LCA) methodology to the whole life-cycle system.

Merchant bars at plant level, was described by using specific data from manufacturing facilities (Vicenza, San Didero and San Giovanni Valdarno) for year 2019.

Customized LCA² questionnaires were used to gather in-depth information about all aspects of the production system (for example, raw materials specifications, pre treatments, process efficiencies, air emissions, waste management), ultimately providing a complete picture of the environmental burden of the system from raw materials supply (A1) to Transport (A2) and Manufacturing (A3). The use phase was not considered according to PCR, while transport to final destination (A4) and end-of-life phases (C1-C2-C3-C4-D) were considered. A distance of 200 km from operation plant and dismantling site was adopted. According to PEFCR a collection rate of 0,95 was adopted. Therefore, in nominal installation and operating conditions, no emissions to air nor to water shall occur.

Data quality has been assessed and validated during data collection process. According to EN:15804 the applied cut-off criterion for mass and energy flows is 1%.

¹International EPD System is managed by EPD International AB (www.environdec.com).

²The LCA methodology is standardized at international level by ISO 14040 and ISO 14044.

DECLARED UNIT

Bars are usually traded in mass so that the declared unit is **1 ton of merchant bars.**



CALCULATION RULES

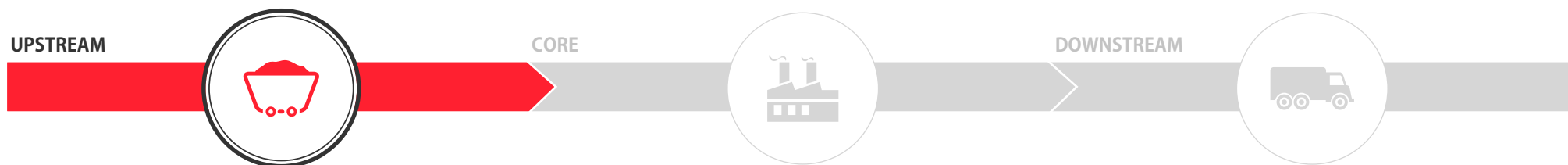


According to the PCR 2019:14 v. 1.1 the main activities are listed and divided in three subsystems: **UPSTREAM Process**, **CORE Module**, **DOWNSTREAM Process**

| UPSTREAM PROCESS | CORE MODULE | DOWNSTREAM PROCESS |
|---|---|---|
| <div><div>A1</div><div>Scrap pretreatment</div><div>Demolition</div><div>Shearing</div><div>Crushing</div><div>Material and energy ware production</div><div>Other raw materials</div><div>Energy</div></div> | <div><div>A2+A3</div><div>Supplying transport</div><div>Billets production</div><div>Hot rolling process</div><div>Packaging</div><div>Internal handing</div><div>Ancillary activities</div><div>Air emission</div><div>Water emission</div><div>Wastes</div></div> | <div><div>A4</div><div>Distribution</div><div>C1</div><div>De-construction demolition</div><div>C2</div><div>Transport</div><div>C3</div><div>Waste processing</div><div>C4</div><div>Disposal</div><div>D</div><div>Reuse - Recovery - Recycling potential</div></div> |

Figure 1. Scheme of the considered system boundaries (including upstream, core and downstream main processes).

UPSTREAM PROCESS



Scheme of the considered system boundaries (upstream processes).



Pre and post consumer steel scrap collection



A1 - Raw Materials Supply

Production of virgin materials, alloy elements and ancillaries



Specific secondary materials pre-treatments, where appropriate

Generation of electricity and other fuels from primary and from secondary energy resources (excluding waste treatments)



CORE PROCESS



Scheme of the considered system boundaries (core processes).



Raw materials transportation from production or collection facilities to the production plant and internal transportation.



Rolling mill, production, including utilities



Packaging materials



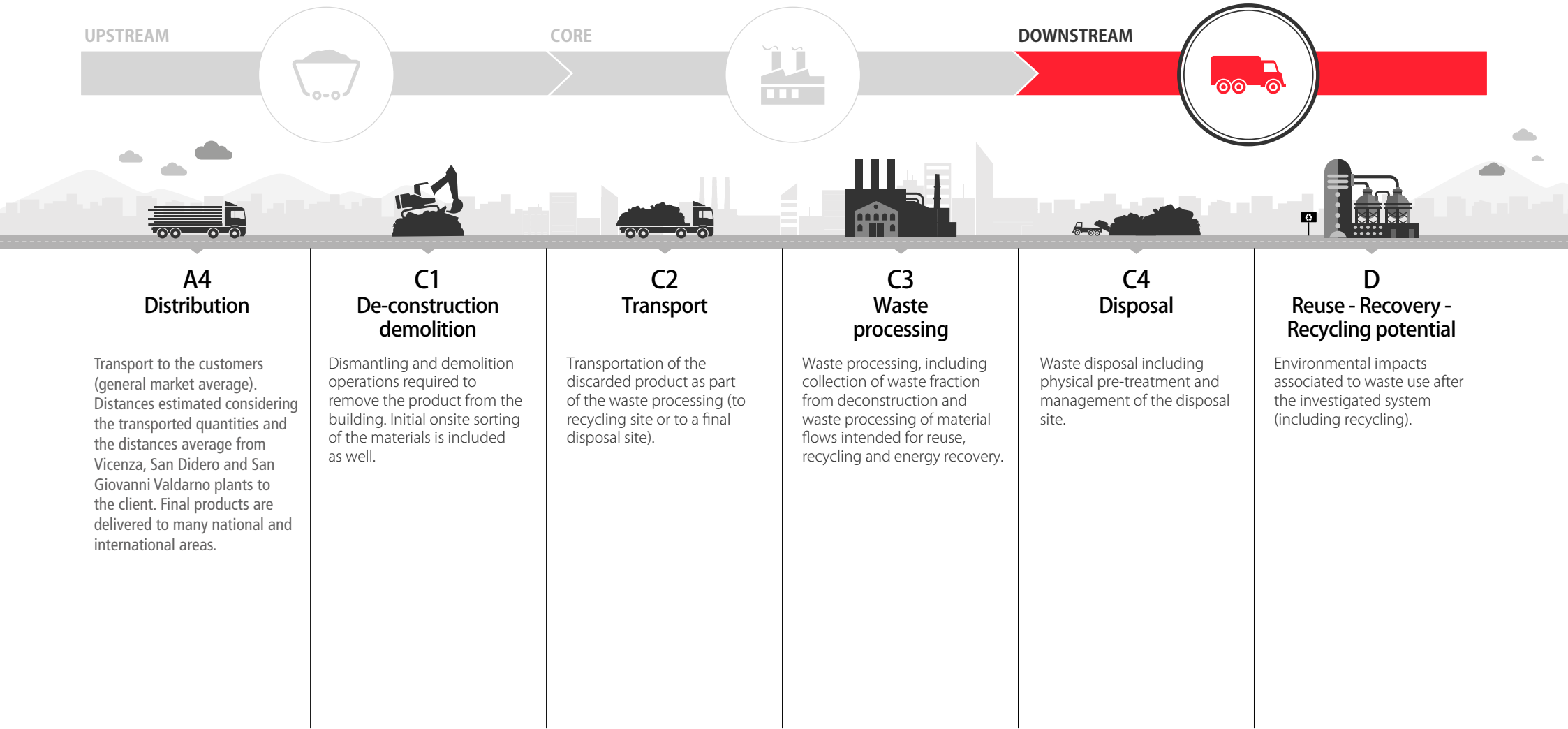
Specific secondary materials pre-treatments, where appropriate

Treatment of waste generated from the manufacturing processes



A2 - Transportation
+
A3 - Manufacturing

DOWNSTREAM PROCESS



ADDITIONAL INFORMATION

Main environmental characteristics of the considered plants are:

1. EAF primary and secondary dedusting achieve an efficient extraction of all emission sources by using direct off-gas extraction (shaft) and total building evacuation, with subsequent dedusting by means of a bag filter

2. Prevention and reduction of (PCDD/F) and (PCB) emissions by using the combination of the following techniques,

- appropriate rapid quenching of the EAF off-gas
- injection of adsorption agents into the duct
- final dedusting with a bag filter.

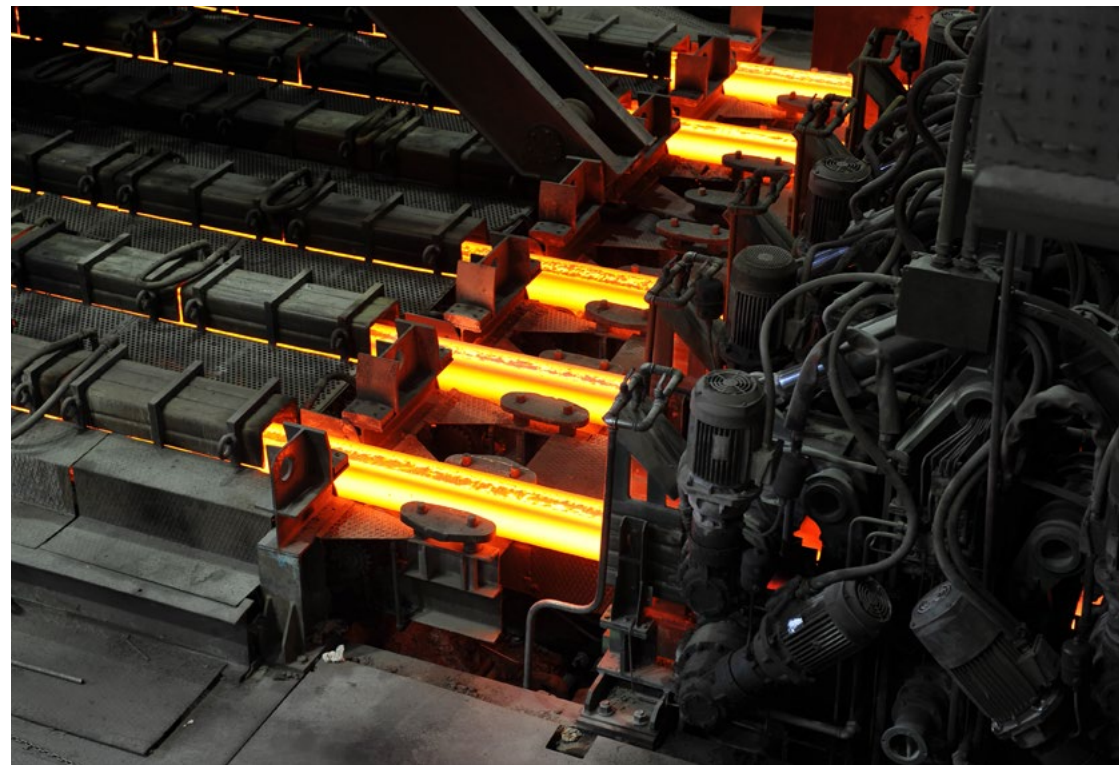
3. Minimisation of water consumption by using a recirculating loop cooling system with purge recovery. Removal of solids by sedimentation or filtration, removal of oil with skimming devices.

4. Prevention and reduction of waste generation by using the following techniques:

- I. appropriate collection and storage to facilitate specific treatments;
- II. on-site recovery and recycling of specific by-products from the different processes;
- III. external recovery of filter dusts in the non-ferrous metal industry (zinc, lead);
- IV. separation of scale in the water treatment process and external recovery in the cement and blast-furnace industry;
- V. recovery of EAF slag as a secondary raw material (inert aggregates) in the construction industry.

5. Radiation monitoring of scraps and raw materials by means of detection equipment installed at the weighing post.

In accordance with general EPD® requirements the LCA study used specific, generic and other generic data. This last data contributes to the environmental indicators less than 10%.



DIFFERENCES VERSUS PREVIOUS VERSIONS

Compared to the previous versions of the EPD there are no differences due to changes in the production processes, which have remained the same.

The only differences are due to the updating of the datasets and reference regulations, which imply the inclusion in the system boundaries of the downstream phases C1 - C2 - C3 - C4 - D.

REFERENCES

- EN 15804:2012+A2:2019
- ISO 14040 : 2006
- ISO 14044 : 2006
- Life Cycle Assessment (LCA) of hot rolled bars via EAF process - italian average
- General Programme Instructions, v3.01 (2019-09-18)
- PCR 2019:14 - Construction products - v 1.1 (2020-09-14)

