

COMPANY

Profile



COMPANY

COMPANY



03

FOREWORD

04

PRODUCT Range

07

MAIN Facilities

08

COMPANY'S ASSET & Equipment

09

TESTS Facilities

10

QUALITY & Certifications

11

MAIN Materials

12

LOGISTIC Headquarters & Plants



Established in 1984, LVF S.p.A. is a renowned world leader as a manufacturer of forged and cast gate, globe, check, ball and DB&B valves for Oil, Gas, Chemical, Petrochemical, Power Generation and Marine Industries.

The strength of LVF S.p.A. is based on its extensive stock of raw material, high quality engineering, combined with competitive prices and an on time delivery ethos.



In addition, to meet clients stringent requirements, LVF S.p.A. offers tailor made engineered solutions thanks to the expertise and long time experience of all its staff. For its optimum services, LVF S.p.A. can rely on 4 plants, which cover the full process of the manufacturing chain.

LVF S.p.A. is a privately owned Italian company and for this purpose merges those typical characteristics, such as, quick decision making, flexibility, reliability, that allow us to offer a high service & give customer appreciation & satisfaction, across all of our product range.

LVF S.p.A. has always included health, safety, respect for our employees & the environment, amongst its priorities. The company is UNI EN ISO 14001:2015 certified.

LVF S.p.A. has a Quality Management System according to the requirement of ISO 9001:2015 and is accredited to Pressure Equipment Directive 2014/68/EU (PED).



PRODUCT Range Ball Valves

FLOATING Ball Valves

Construction: Split Bolted Body, Top Entry, Soft or Metal Seated
Main Design Codes: ASME B16.34, API608, ISO17292, BS5351
Size Range: from ½" to 8"
Pressure Class: ANSI 150-4500
Ends: SW, NPT, BW, RF, RJ, HUB, Compact Flange
Alternative customized solutions can be provided including design for cryogenic service and high temperature application



FLOATING

TRUNNION MOUNTED Ball Valves

Construction: Split Bolted Body, Top Entry, Fully Welded, Soft or Metal Seated
Main Design Codes: ASME B16.34, API6D, API6A
Pressure Class: ANSI 150-4500
Size Range: from ½" to 60"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: SW, NPT, BW, RF, RJ, HUB, Compact Flange
Alternative customized solutions can be provided including design for cryogenic service and high temperature application



TRUNNION

MODULAR DB&B and SB&B Valves

Construction: Split Bolted Body, Top Entry, Screwed End Entry, Soft or Metal Seated
Main Design Codes: ASME B16.34, EEMUA182
Pressure Class: ANSI 150-4500
Size Range: from ½" to 24"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: SW, NPT, BW, RF, RJ, HUB, Compact Flange, Quill
Any combination can be provided (Ball-Needle-Ball or any other) Alternative customized solutions can be provided including design for cryogenic service and high temperature application



MODULAR



PRODUCT Range GGC Valves

GATE Valves

Construction: Bolted Bonnet, Welded Bonnet, Pressure Seal - Solid or Flex Wedge, Parallel slide
Main Design Codes: ASME B16.34, API602, BS5352, ISO 15761, API 600, API 6A, API 603
Pressure Class: ANSI 150 - 4500
Size Range: from ½" to 36"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: SW, NPT, BW, RF, RJ, HUB, Compact Flange
Alternative customized solutions can be provided including design for cryogenic service /bellow seal valves/integral extended bodies valves/DIN valves



GATE

GLOBE Valves

Design: Straight Pattern, Y pattern, Angle type
Construction: Bolted Bonnet, Welded Bonnet, Pressure Seal - Ball, Plug, Needle, Parabolic, linear Disc
Main Design Codes: ASME B16.34, API602, BS5352, ISO 15761, BS1873, API 6A
Pressure Class: ANSI 150 - 4500
Size Range: from ½" to 24"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: SW, NPT, BW, RF, RJ, HUB, Compact Flange
Alternative customized solutions can be provided including design for cryogenic service /Bellow seal valves /Choke Valves (adjustable and positive) /Blowdown valves (continuous and intermittent) /Quick opening - Self closing valves/Non rising handwheel valves / Screw down non return valves/DIN valves



GLOBE

CHECK Valves

Design: Swing check, Ball check (straight or Y pattern), Piston check (straight or Y pattern), Tilting disc, Dual plate, Axial
Construction: Bolted Cover, Welded Cover, Pressure Seal
Main Design Codes: ASME B16.34, API 602, BS5352, ISO 15761, API 6A, BS 1868
Pressure Class: ANSI 150 - 4500
Size Range: from ½" to 24"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: SW, NPT, BW, RF, RJ, HUB, Compact Flange
Alternative customized solutions can be provided Including design for cryogenic service /vertical ball check without spring



CHECK



MODULAR DB&B and SB&B Valves

Construction: Bolted Bonnet, Welded Bonnet
Main Design Codes: ASME B16.34, EEMUA182, ASMEVIII
Pressure Class: ANSI 150 - 4500
Size Range: from ½" to 24"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: NPT, BW, RF, RJ, HUB, Compact Flange
Any combination can be provided (Gate-Needle-Gate or any other)
Alternative customized solutions can be provided including design for cryogenic service



MODULAR

THROUGH CONDUIT Gate Valves

Design: Slab, Single Expanding, Double Expanding
Main Design Codes: API 6D, API 6A, ASME B16.34, ASME VIII
Pressure Class: ANSI 150 - 4500
Size Range: from ½" to 36"
API 6A Pressure Class: 3000-15000
API 6A Size Range: from 1.13/16" to 11"
Ends: BW, RF, RJ, HUB, Compact Flange
Alternative customized solutions can be provided including design for cryogenic service



GATE



1

HEADQUARTERS & MACHINING Plant

Covered Area: 7600 sqm
Total Area: 14700 sqm
Address : Via G. Mazzini, 6 - San Paolo D'Argon (BG) - Italy



2

TESTS, ASSEMBLY & Shipping Plant

Covered Area: 8200 sqm
Total Area: 13300 sqm
Address : Via Mortini, 8 - San Paolo D'Argon (BG) - Italy



3

RAW MATERIAL Warehouse

Covered Area: 3500 sqm
Total Area: 6800 sqm
Address : Via F. Baracca, 24 - San Paolo D'Argon (BG) Italy



4

WAREHOUSE

Covered Area: 4300 sqm
Total Area: 9100 sqm
Address : Via F. Baracca, 11 - San Paolo D'Argon (BG) Italy



TOTAL Area

Covered Area: 23600 sqm
Total Area: 43900 sqm



COMPANY'S ASSET & Equipment



PRODUCTION Machinery

- **n.5** Robotized CNC Transfer Machines
- **n.12** CNC Drilling Machines
- **n.7** CNC Transfer Machines
- **n.9** CNC Machining Centers
- **n.2** Grinding Machines
- **n.2** Robotized CNC Lathes
- **n.1** Sandblasting Machine
- **n.2** Electric Furnaces
- **n.2** CNC Vertical Drilling Machines
- **n.4** Automatic Diode Laser Marker Systems

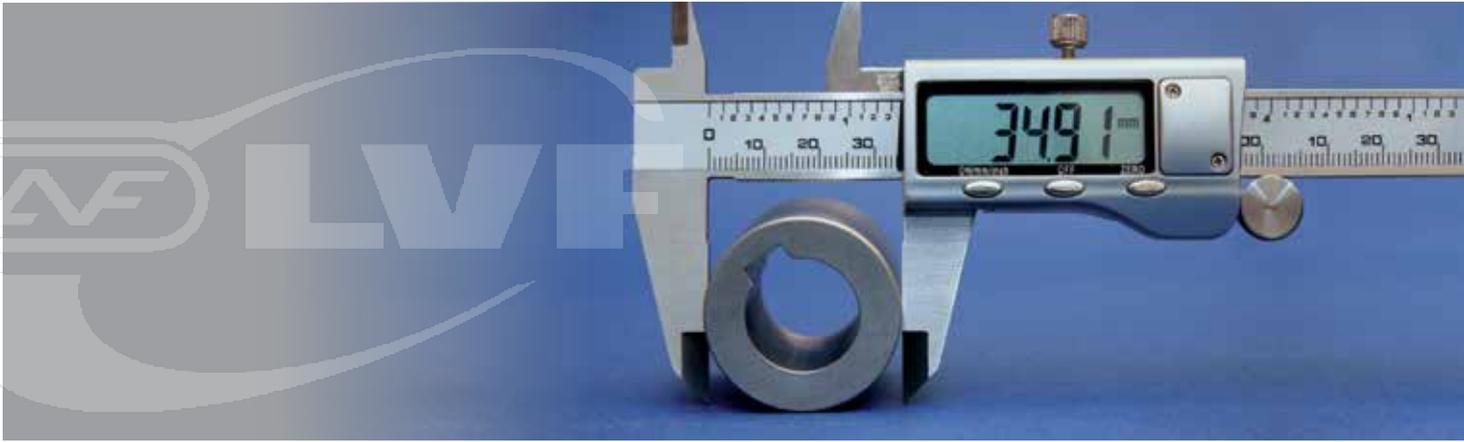


STORE INVENTORY Facilities

- **n.1** Automatic Material Handling
- **n.7** Compactable systems for Archive
- **n.10** Vertical Storage Systems
- **n.5** Rotating Storage and Filling System

LIFTING Machinery

- **n.10** Overhead cranes 5÷60 Tons
- **n.24** Banner Cranes
- **n.28** Forklifts



GATE, GLOBE, CHECK & BALL Valves

- **HORIZONTAL**
test bench up to 60"
- **Test**
according to Api, Ansi, Din, BS, ISO
- **Hydraulic**
test up to 1550 bars (API 15000)
- **Pneumatic** or gas
test up to 1400 bars (API 20000)
- **Vacuum**
system up to -700 mBars
- **Analogue** or digital
seats leakage measuring systems
- **Torque**
transducers up to 100.000 Nm



TESTING Equipment

Optical Spectrometer
Bellows Cycle Life Test Bench
Pneumatic & Hydraulic Test Benches
Low Temp & Cryogenic Test Bench
High Temp. Equipments
Helium Mass Spectrometer/Sniffer
UT/DP/MP/PMI Equipments
3D Measurement Arm

Pressure Recorder
HD Hardness Tester
RT Equipment for film interpretation
CV Loop
Geiger counter

PERFORMED on 100% of Valves

- **VISUAL** & dimensional inspection of valve components
- **HIGH** pressure hydraulic body and seat test
- **LOW** pressure air seat test

PERFORMED

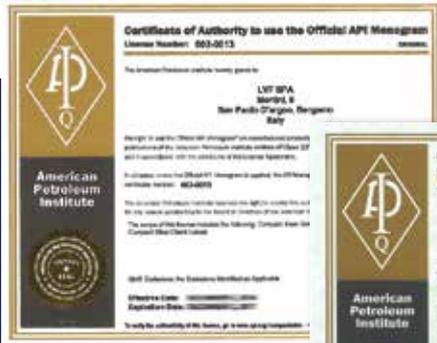
as spot check or on customer request

- **DYE** penetrant test (DP)
- **MAGNETIC** Particle test (MP)
- **ULTRASONIC** test (UT)
- **POSITIVE** alloy Material identification (PMI)
- **GAS** test
- **X-RAY** test

QUALITY & Certifications



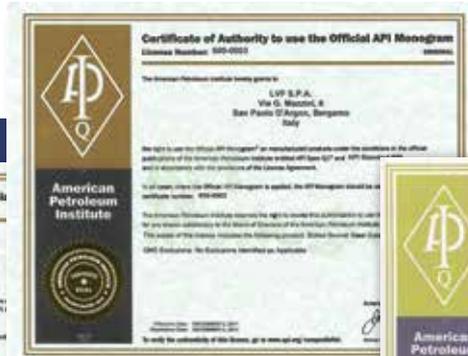
LVF S.p.A. has a quality management system according to ISO 9001:2015 and is accredited to Pressure Equipment Directive 2014/68/EU (PED). LVF S.p.A. does manufacture and test all its products in accordance with international standards & codes issued by API-BS-ASME etc. Valve test facilities are available in house and non-destructive testing is performed by certified level II inspector (SNT-TC-1A, ISO 9712).



API 602



API 6A



API 600



API 6D



ATEX



ISO 9001:2015



ACHILLES JQS



ISO 14001:2015

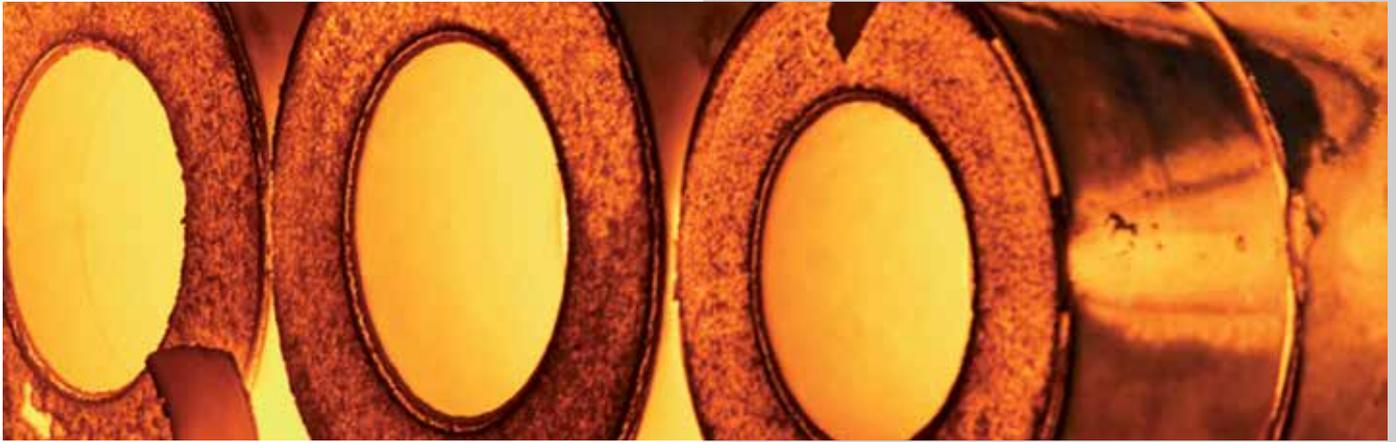


SIL-BALL



PED

SIL-GATE



CARBON Steel

Forged

ASTM A105N
ASTM A350 LF2

Cast

ASTM A216 WCB/WCC
ASTM A352 LCB/LCC

ALLOY Steel

Forged

ASTM A350 LF3
ASTM A182 F5
ASTM A182 F9
ASTM A182 F11
ASTM A182 F22
ASTM A182 F91

Cast

ASTM A352 LC3
ASTM A217 C5
ASTM A217 C12
ASTM A217 WC6
ASTM A217 WC9
ASTM A217 C12A

NICKEL Alloy

Forged

INCONEL 825 - UNS N08825
INCONEL 600 - UNS N06600
INCONEL 625 - UNS N06625
MONEL 400 - UNS N04400

Cast

A484 CU 5MCuC
A494 CY40
A494 CW6MC
A494 M35-1

AUSTENITIC STAINLESS Steel

Forged

ASTM A182 F304/F304L
ASTM A182 F316/F316L
ASTM A182 F321
ASTM A182 F347
ASTM A182 F44 (6MO)
ASTM A182 F2 (ALLOY 20)

Cast

ASTM A351 CF3/CF8
ASTM A351 CF3M/CF8M
ASTM A351 CF8C
ASTM A351 CF8C
ASTM CK3MCuN
A351 CN7M

FERRITIC-AUSTENITIC STAINLESS Steel

Forged

ASTM A182 F51 -
UNS S31803 (DUPLEX S.S.)
ASTM A182 F53 -
UNS S32750 (SUPER DUPLEX S.S.)
ASTM A182 F55 -
UNS S32760 (SUPER DUPLEX S.S.)

Cast

A890 GR.4A CD 3 MN
A890 GR.5A CE 3 MN
A890 GR.6A CD 3 MWCuN

TITANIUM

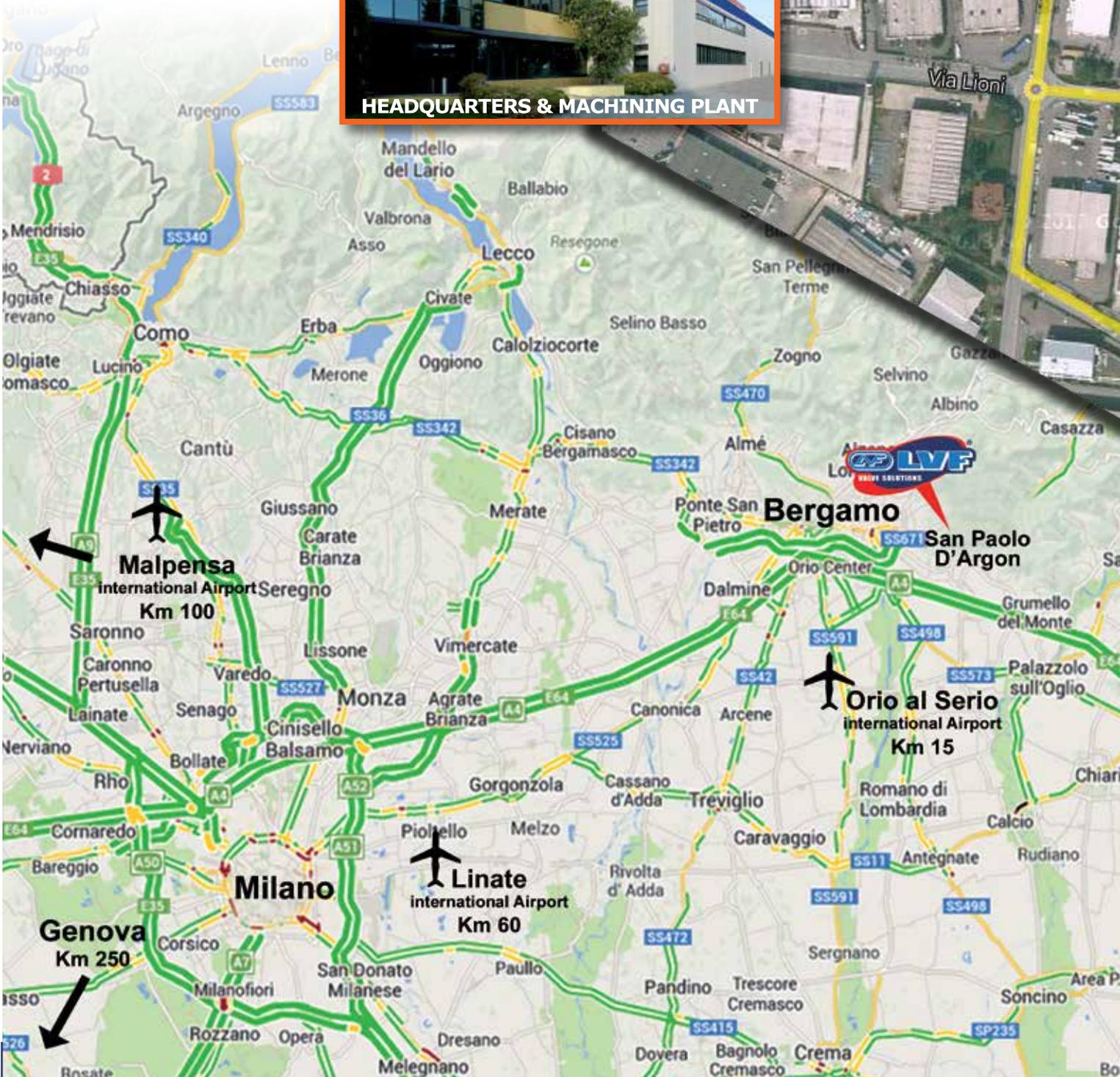
Forged

ASTM B381 GR.F2
ASTM B381 GR.F3

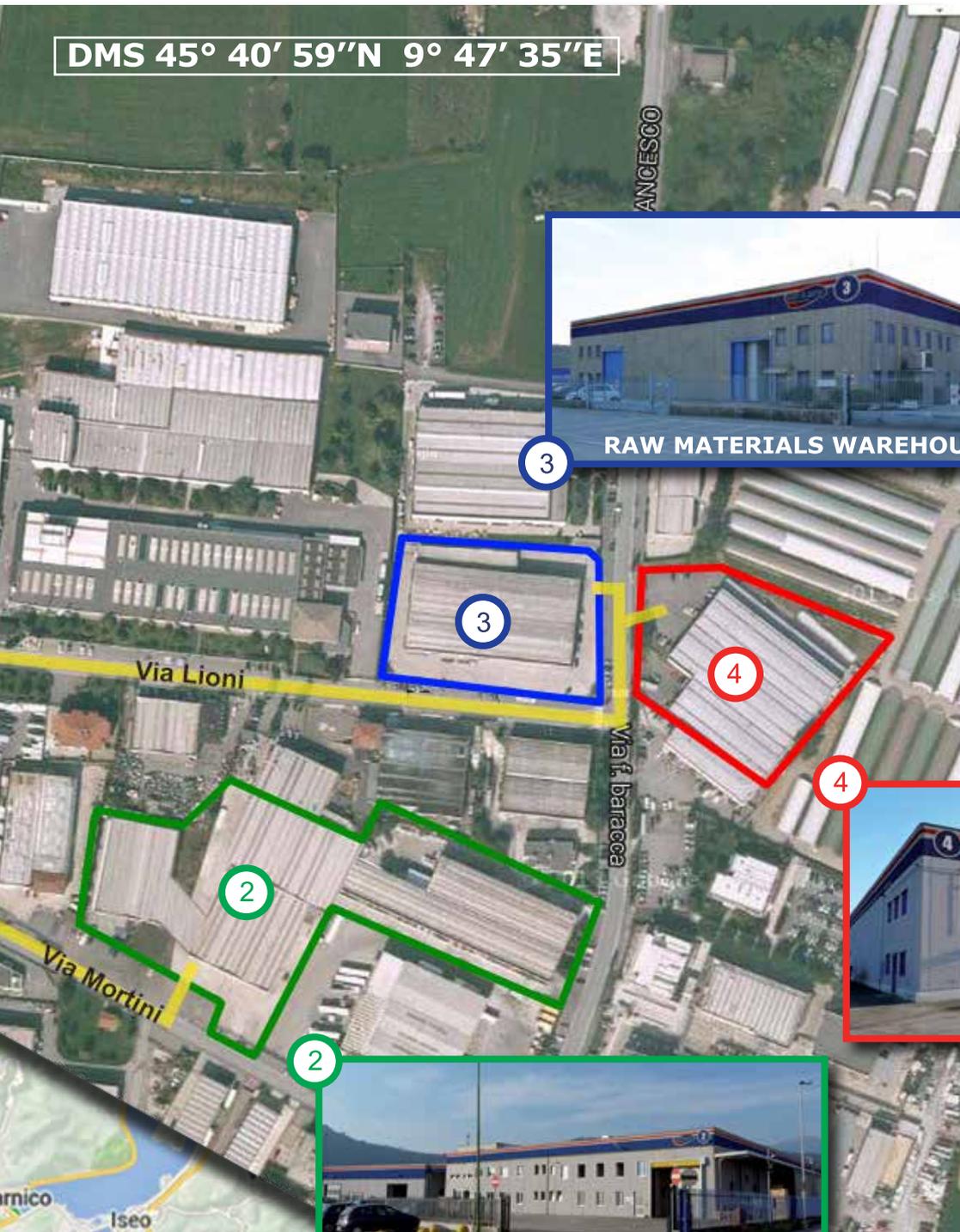
Cast

ASTM B367 GR.C2
ASTM B367 GR.C3

OTHER GRADE MATERIALS ARE AVAILABLE ON DEMAND



DMS 45° 40' 59"N 9° 47' 35"E





LVF S.p.A.

Via Giuseppe Mazzini, 6
24060 SAN PAOLO D'ARGON (BG) - Italy
P.Iva 03076750169



Phone: +39 035 4255211
Fax: +39 035 959210
info@lvf.it - www.lvf.it