FORGE PROFILE

Unior d.d.
Kovaška cesta 10
SI – 3214 Zreče

Tel: +386 3 75 78 100
Fax: +386 3 57 62 766
e-mail: prodajaodk@unior.si

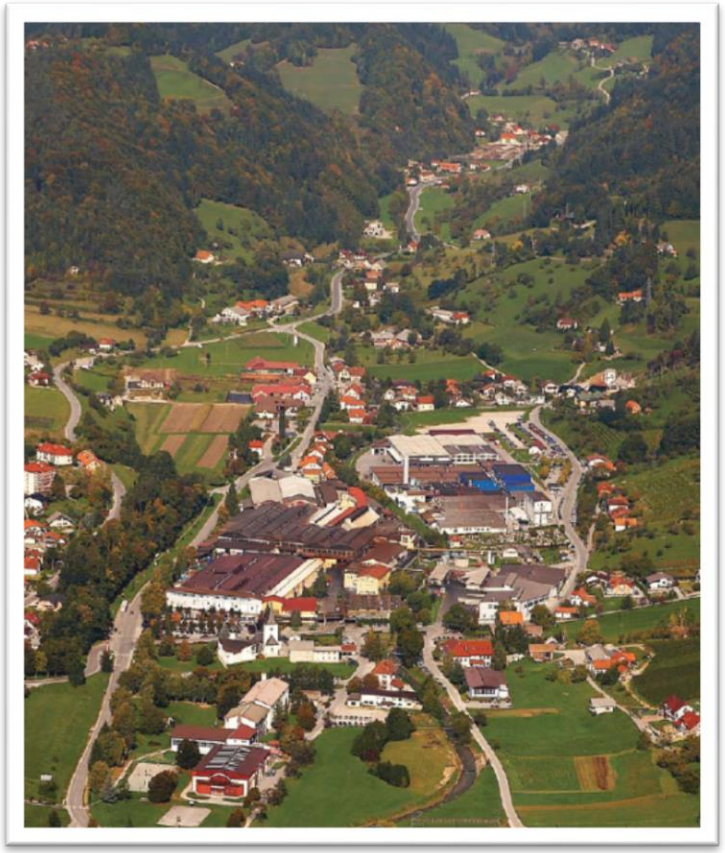
www.unior-forge.com

Slovenia – General information

- Area: 20.253 km²
- Population: 2 million
- Capital: Ljubljana
- Currency: EURO (€)
- EU-Member since 1.5.2004

UNIOR d.d. – Key data

- Company headquarter: Kovaška cesta 10, SI-3214 Zreče
- Legal status: Joint stock company
- Founded: 1919
- Turnover 2017: 165 million EUR*
- No. of employees: 1.793 on 31.12.2017*



*** Figures without Tourism Division**

UNIOR d.d. – Company's divisions

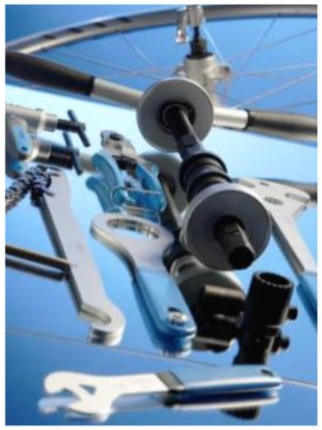
UNIOR d.d.*

FORGE

64 %

HAND TOOLS

21 %



SPECIAL MACHINES

15 %

*** Figures for year 2017 (without Tourism Division)**

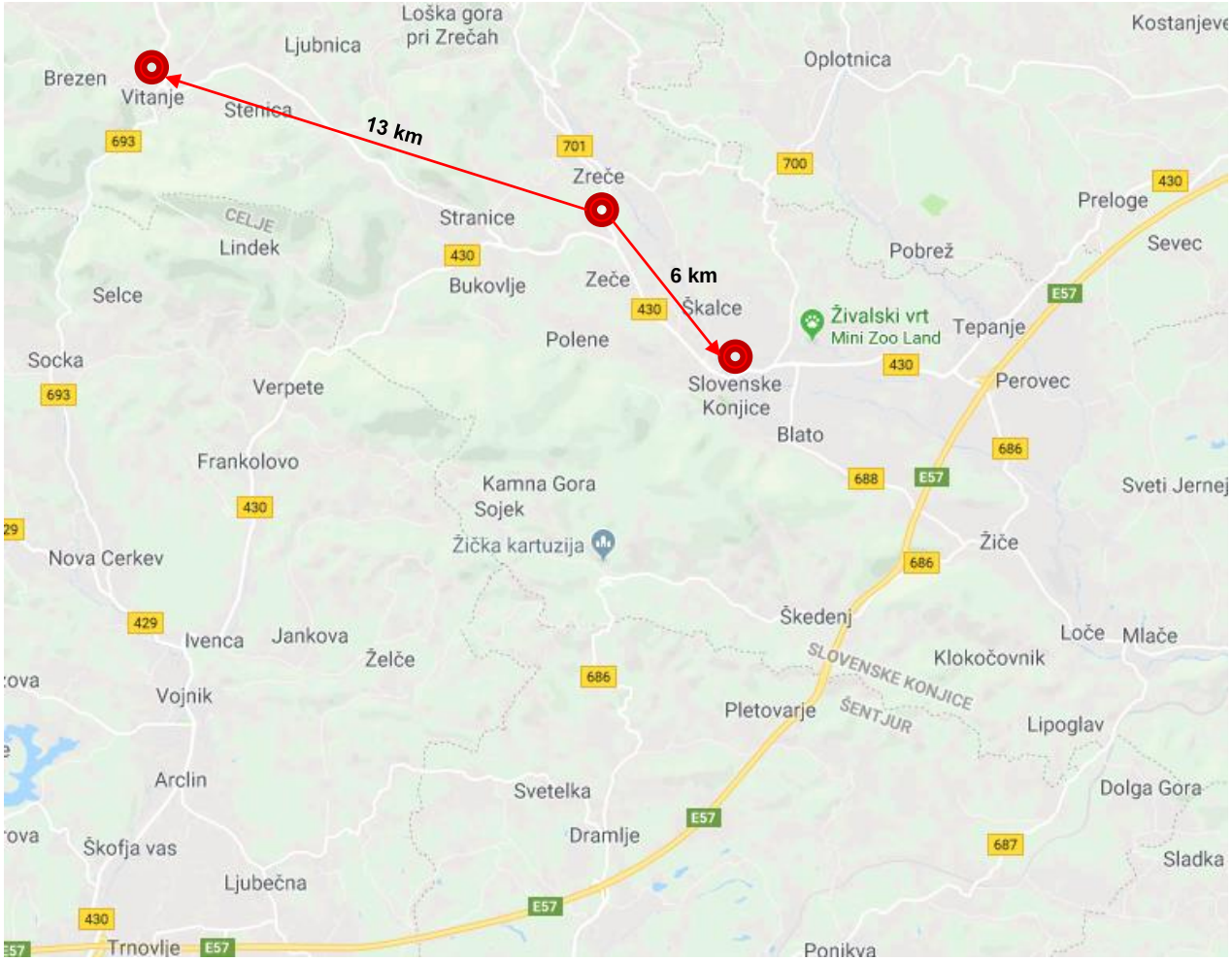
FORGE

HOT FORGING

MACHINING

SINTER

LOCATIONS - SLOVENIA



LOCATIONS - SLOVENIA

Plant Zreče

- **Employees: 780**
- **Functions:**
  - Headquarters
  - Production Forge & Sinter
  - Tooling shop
  - Sales (Central) & Logistics
  - Research & Development (Forge & Sinter)
  - Quality (Central & Plant Sinter)

LOCATIONS - SLOVENIA

Plant Vitanje

- **Employees: 60**
- **Function:**
  - Plant management
  - Production - Forging
  - Logistics
  - Quality Department for Plant Vitanje

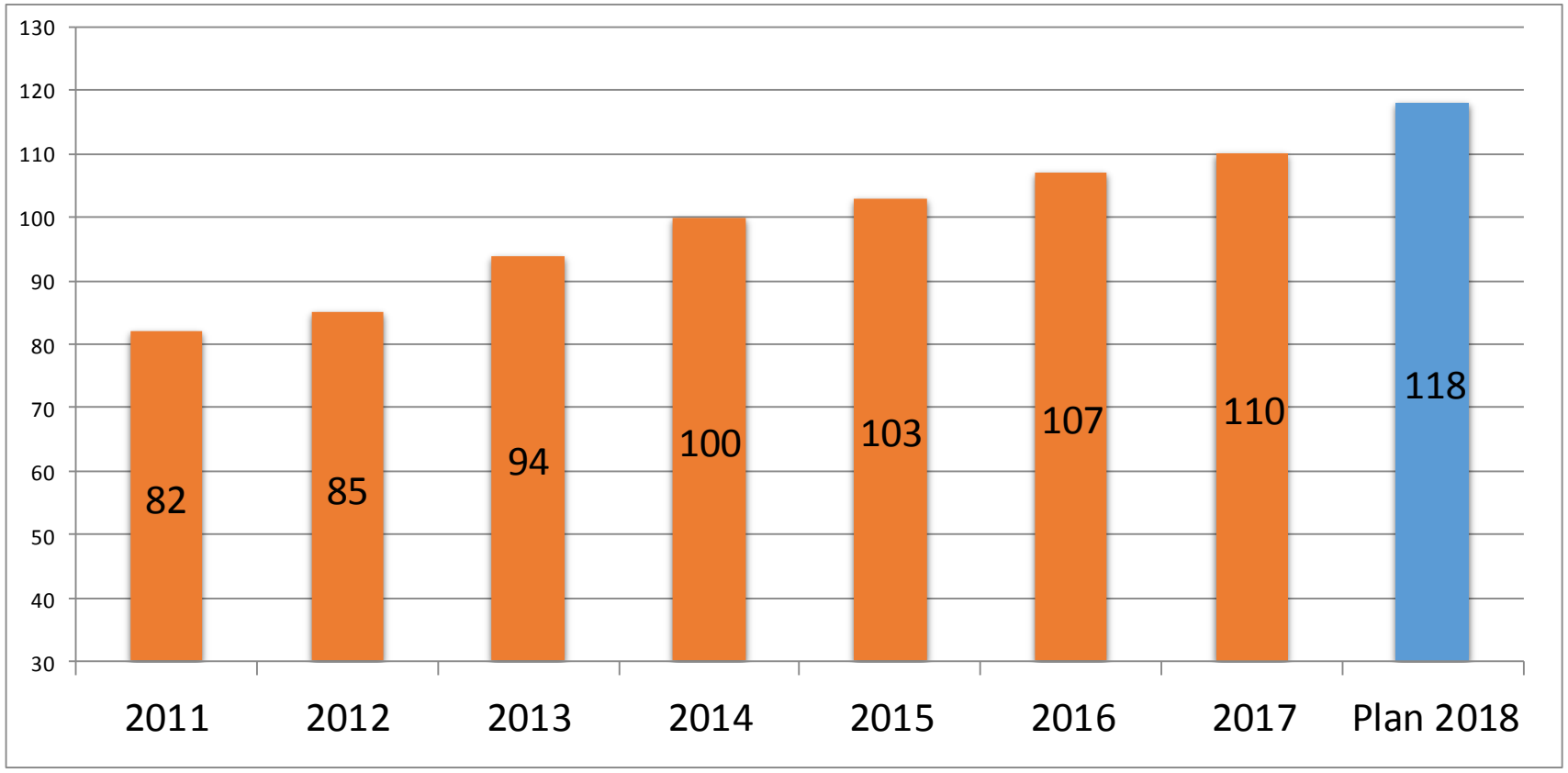
LOCATIONS - SLOVENIA

Plant Slovenske Konjice

- **Employees: 110**

- **Function:**
  - Plant management
  - Production - Machining
  - Research & Development
  - Logistics
  - Quality Department for Plant Slovenske Konjice

Forge – Turnover (in mio €)



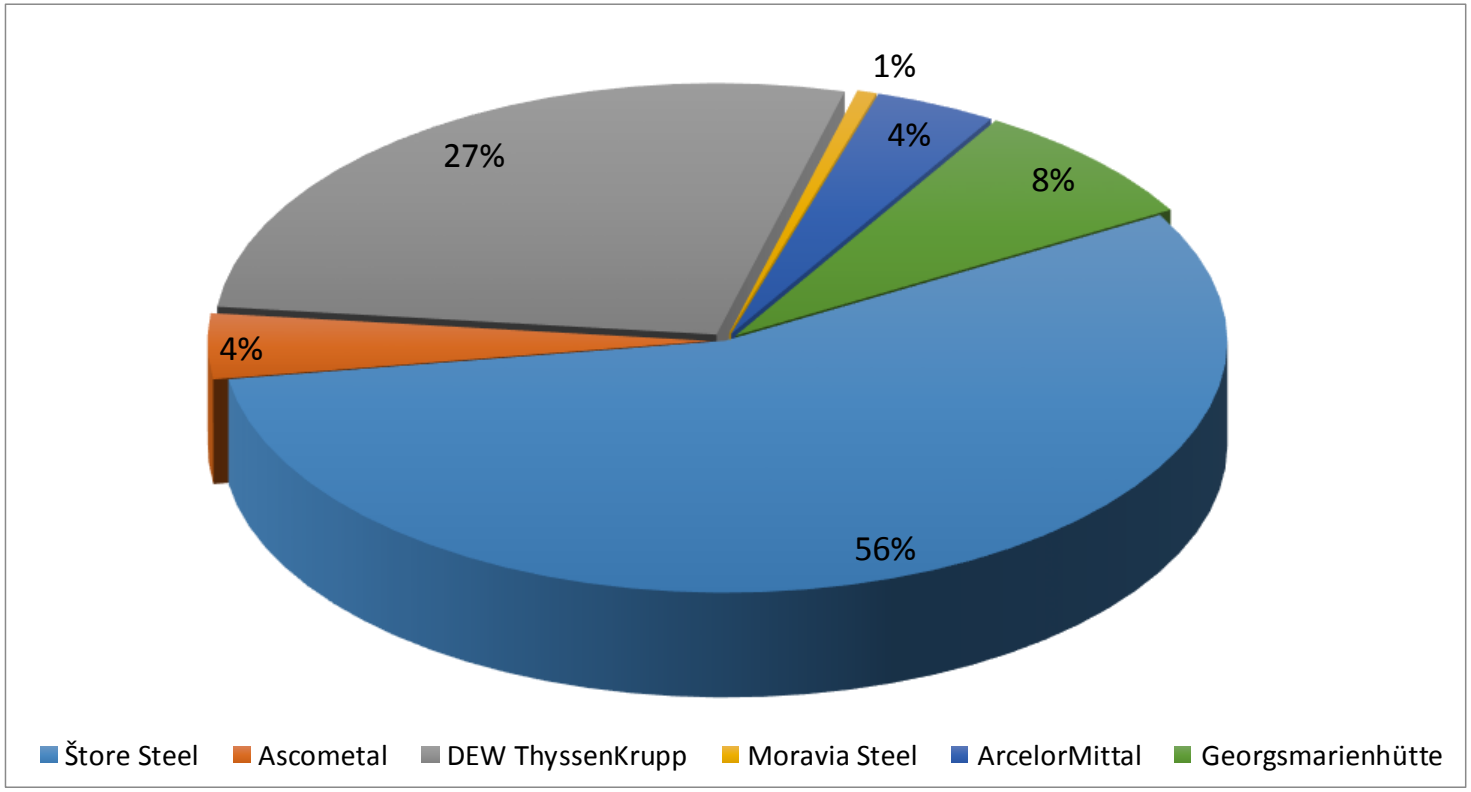
950 Employees in 2017

Forge – Main customers

ZF
VW
Audi
ŠKODA
PORSCHE
BMW
RENAULT
DACIA
Ferrari
BENTLEY
VOLVO
JAGUAR
LAND ROVER
KIA
ALBON ENGINEERING & MANUFACTURING plc
JD Norman INDUSTRIES
HATZ DIESEL
panki RACING SYSTEMS
THK
JTEKT
VTZI
SEAC
LINAMAR Power to Perform
AUTOMOTIVE COMPONENTS FLOBY
SODECIA FSG
GKN Driveline
LUK INA FAG SCHAEFFLER GROUP
ZBG Zerspanungstechnik Bruck GmbH
BPW
BOSCH
MAGNA MAGNA POWERTRAIN
MADE IN GERMANY OrbisWill Werkzeuge • Tools
BETEK
WILLI ELBE GROUP
UNIOR

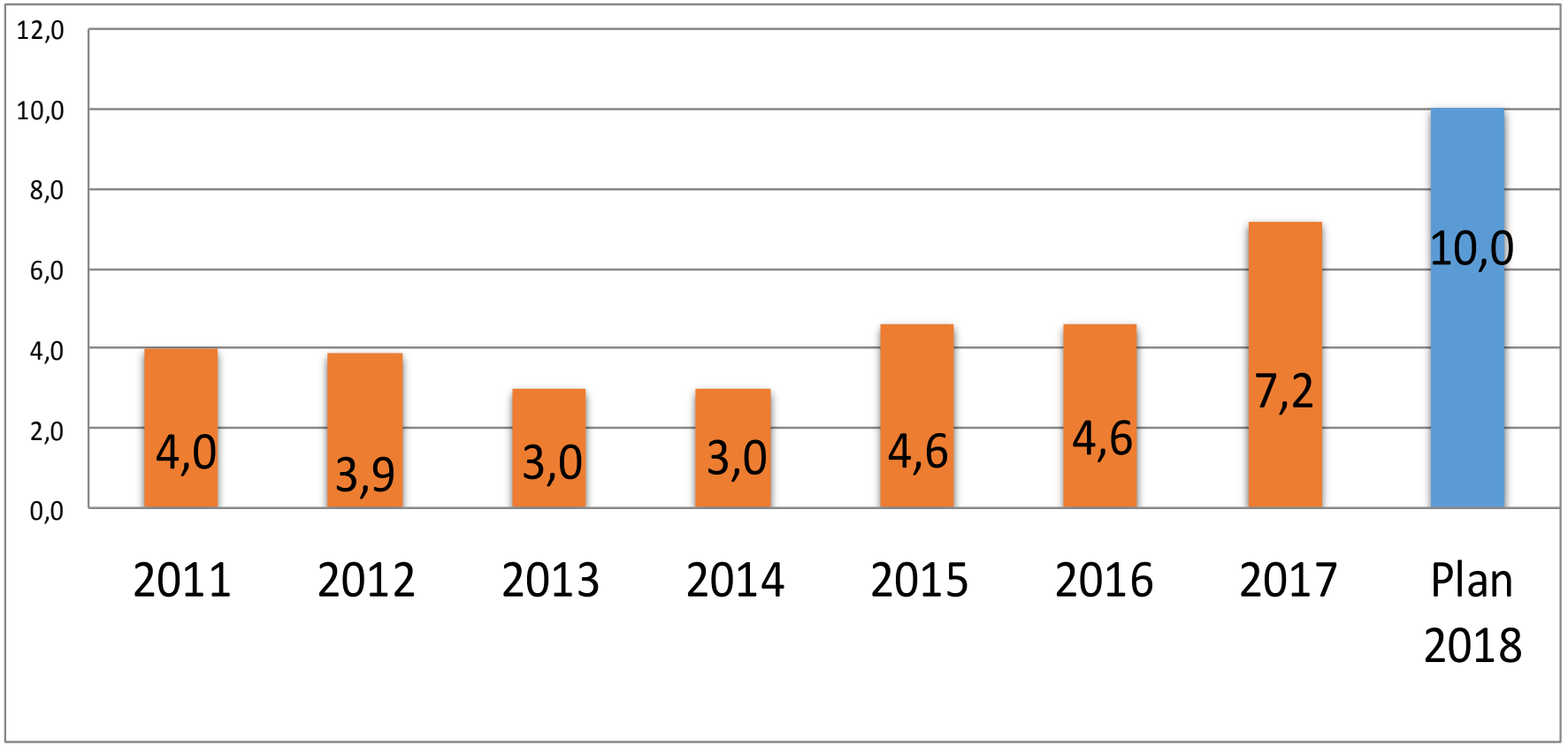
EUROPEAN MANUFACTURER SINCE 1919

Forge – Steel Suppliers



*** Figures for year 2017**

Forge – Investments (in mio €)



Forge - Products

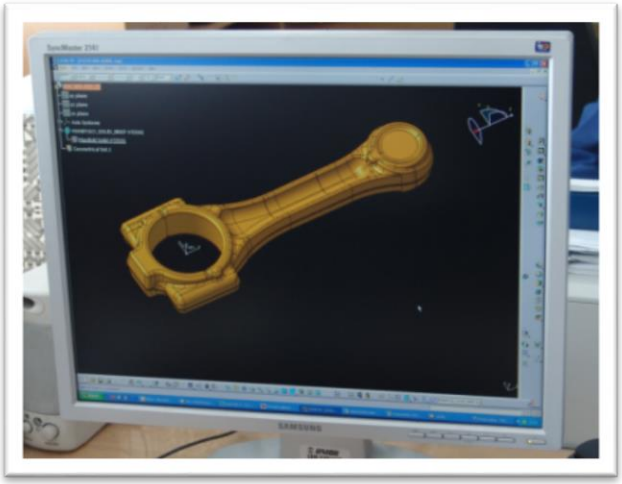
Connecting rods for passenger cars

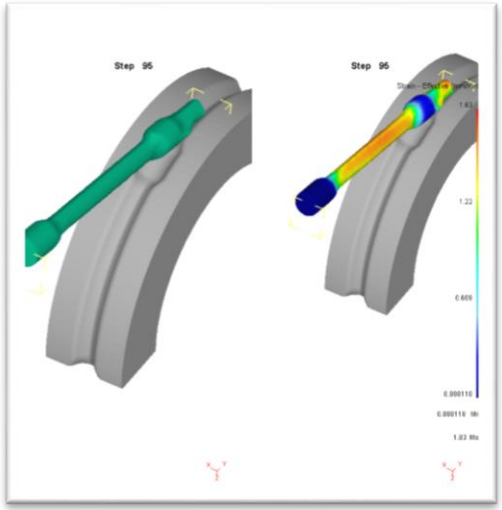
Parts for steering mechanism (housings, outer ball joints)

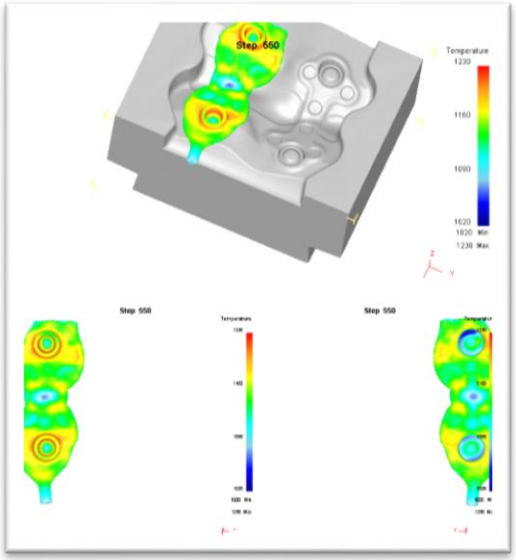
Hand tools forgings

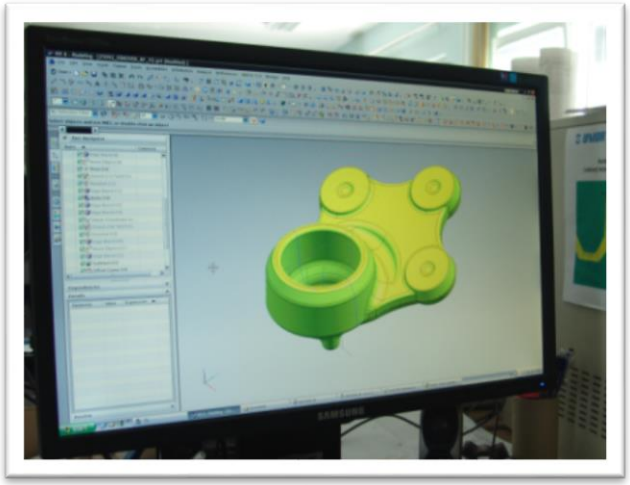
Forge – Construction of tools

- CAD-CAM Systems: Siemens NX11, Catia with interfaces
  VDAFS, IGES, DXF, CATIA TO UG
- CREO (Pro Engineer)
- CAD-CAM system CATIA V5. R26
- Deform



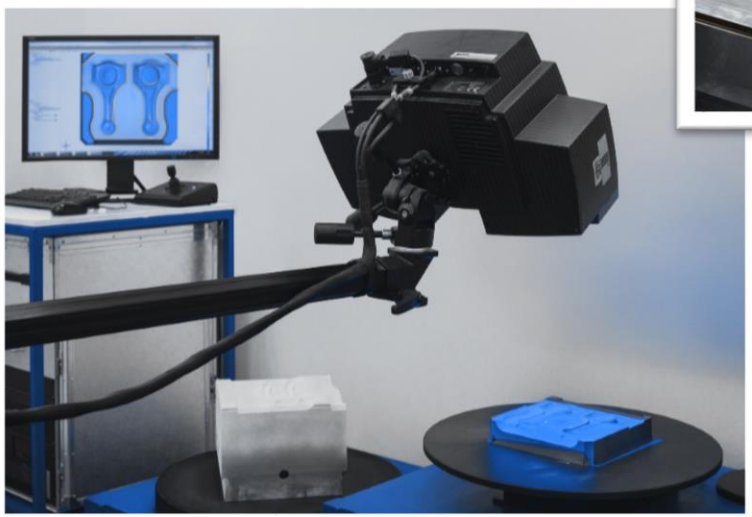


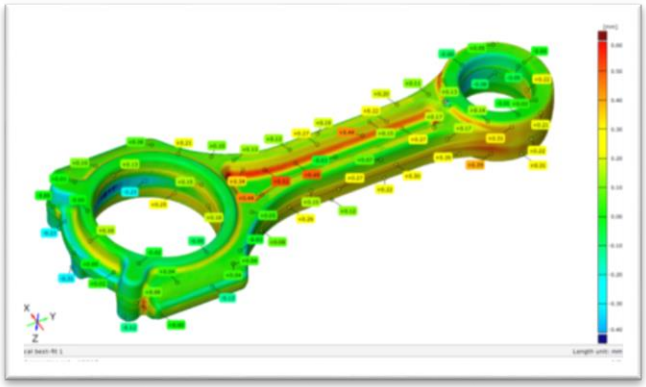




Forge – Tool shop

- 12 HSC machines
- triaxial CNC machines
- 1 CNC eroding machine
- 6 wire erosions
- 1 CNC wire erosion machine
- 3D measuring device
- GOM Inspect Software





UNIOR

Forge – Production

- **26 forging lines**
  - Lasco hydraulic drop hammers (1.500 to 9.500 kpm)
  - Eumuco forging presses (1.600 to 2.000 tons)
- **monthly production: 2.500 tones of forgings**
- **net weight of forged parts from 0,10 to 2,5 kg**

Forge – Production appliances

FORGE

- 14 Lasco hammers
- 5 Eumuco presses
- 7 Drop hammers

Forge – Heat and final treatment

HEAT TREATMENT

- Controlled cooling – BY
- Normalizing
- Hardening and tempering in oil and water
- Annealing
- Isoterm annealing

FINAL TREATMENT

- Shot blasting
- Cold coining
- Cold piercing
- Mechanical treatment

Forge – End inspection

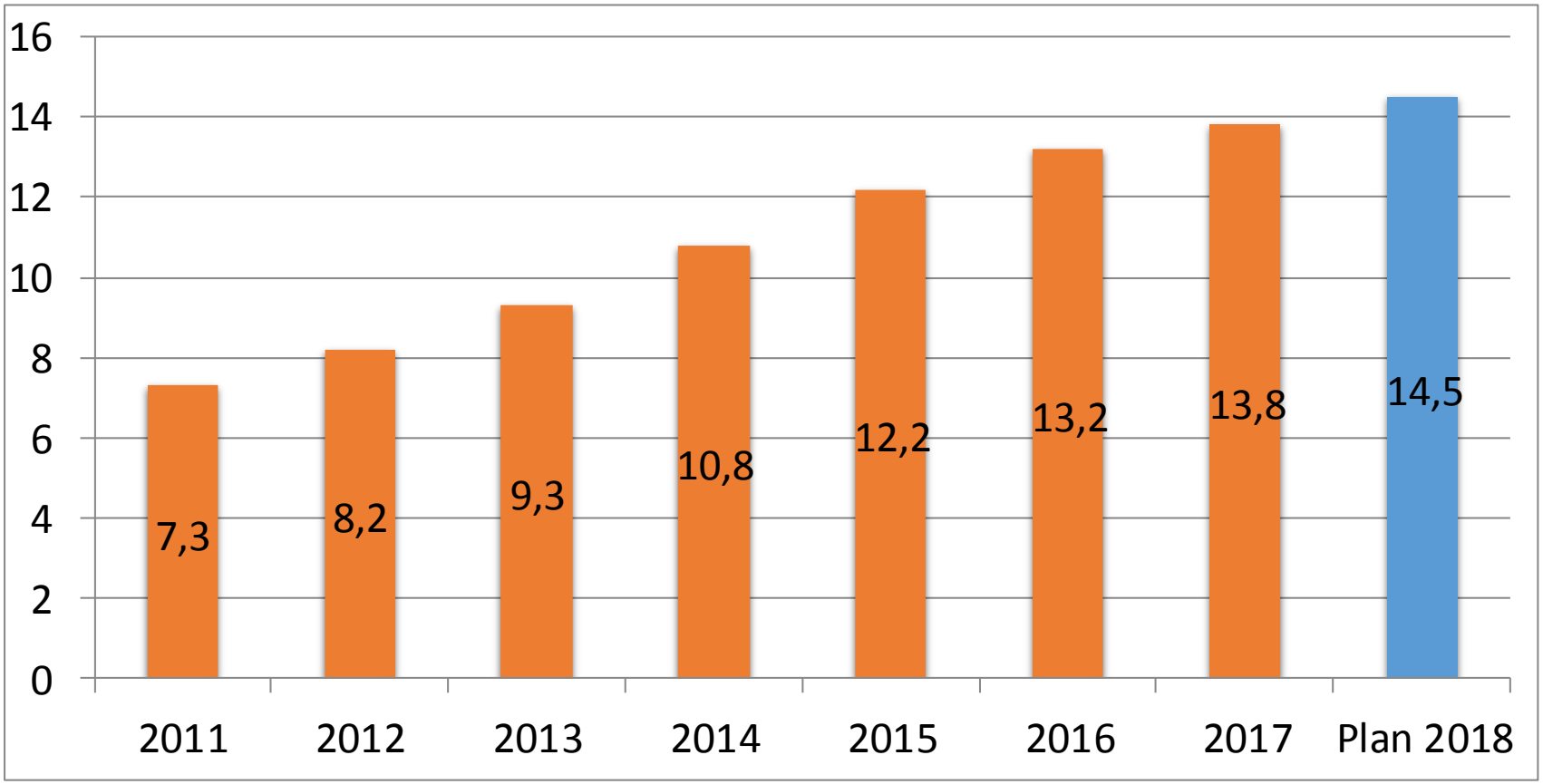
- Magnatest appliance
- Appliance for examination of cracks (crack detection)

Machining

- **Monthly production: 350.000 – 400.000 pcs**
- **Employees: 110 on 31.12.2017**
- **Operations conducted with our devices:**
  - *drilling*
  - *milling*
  - *lathing*
  - *grinding*
  - *broaching*
  - *burnishing*

With all kind of surface treatments

Machining – Turnover (in mio €)



Machining

Main customers:

- JTEKT
- VW & Magna
- ZF AG
- Robert Bosch Automotive
- Porsche
- Schaeffler Group
- Betek
- BOGE

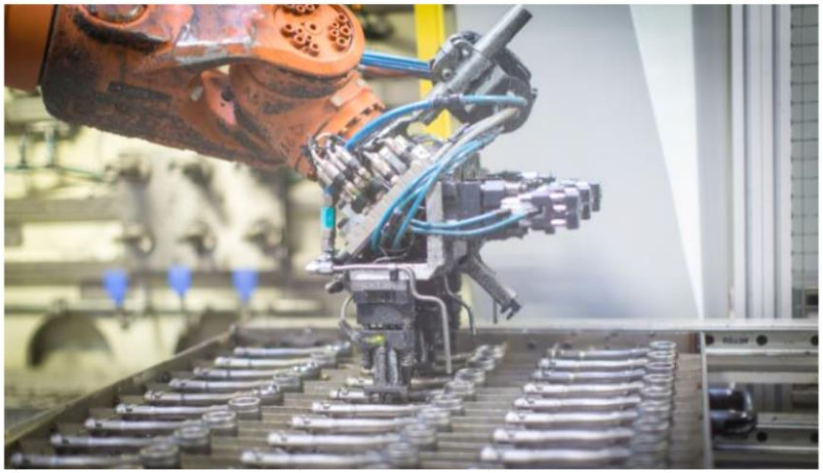
JTEKT
BOSCH
PORSCHE
ZF
BETEK
MAGNA
MAGNA POWERTRAIN
SODECIA FSG
LUK
INA
FAG
SCHAEFFLER GROUP
BOGE
RUBBER & PLASTICS

Machining products

Machining products

UNIOR

Machining production

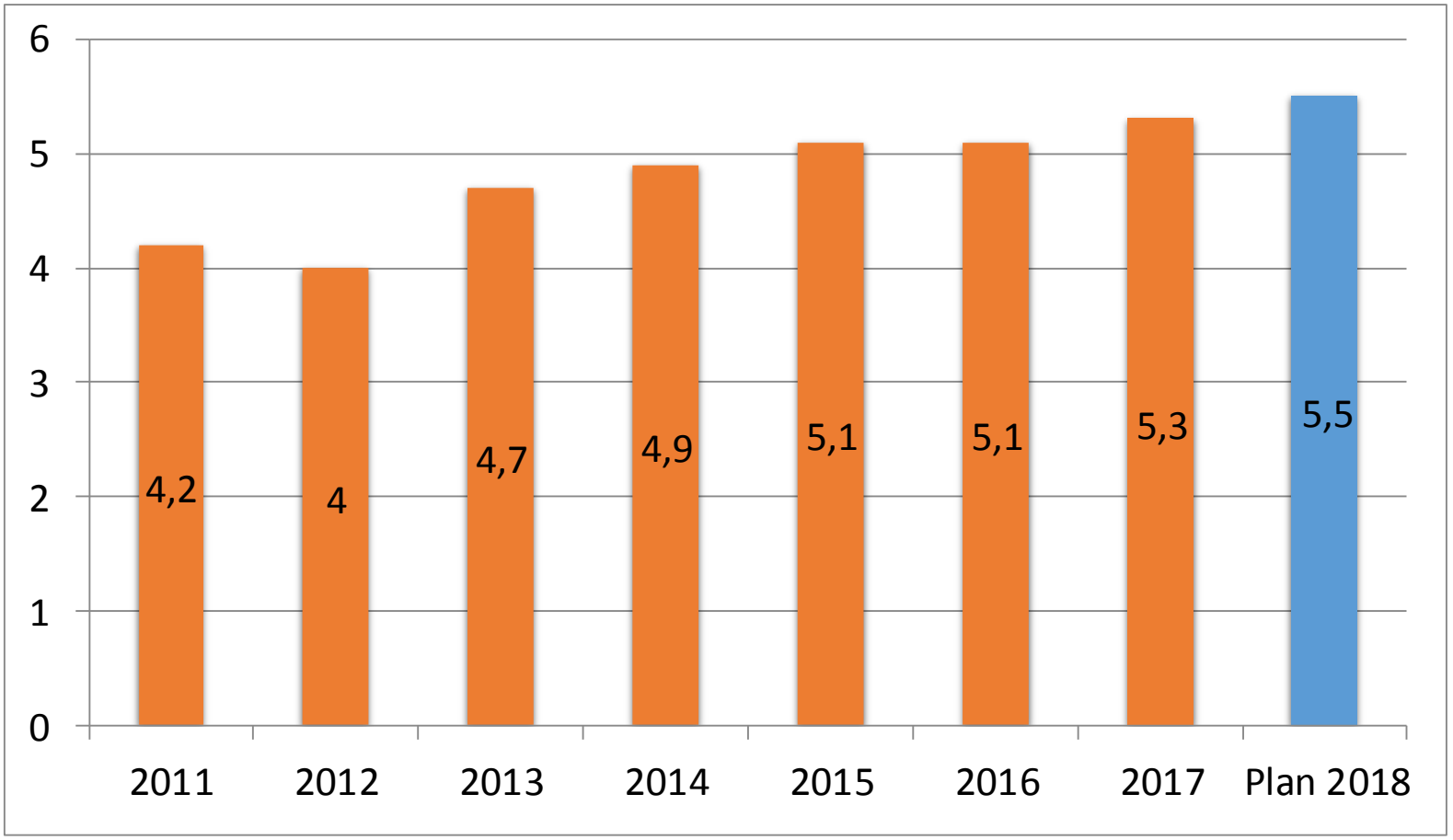


Machining production

Sinter

- **Monthly production: 1,2 mio pcs**
- **Employees: 65**
- **Products:**
  - Self greased friction bearings and bushings
  - Door, window and cylinder-locks hardware components.
  - Steering wheel mechanisms parts for automotive
  - Industrial transmission gears
  - Sliders, rotors and casings for oil and vacuum pumps for automotive
  - Transmission mechanisms parts for automotive
  - Clutch mechanisms components in gas, petrol or diesel driven engines
  - Air and mechanical brake-regulator mechanisms parts

Sinter – Turnover (in mio €)

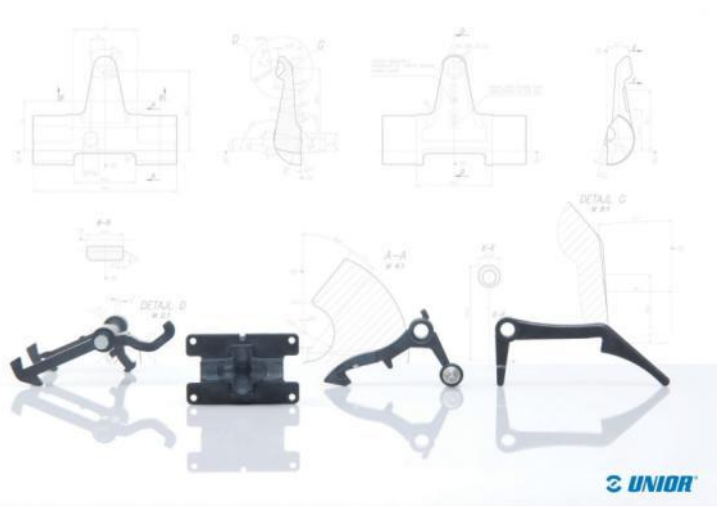


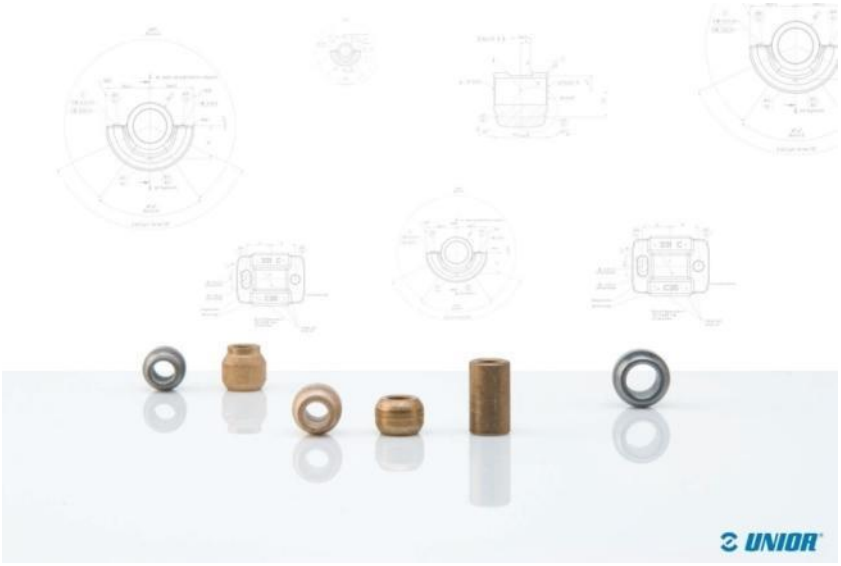
Sinter

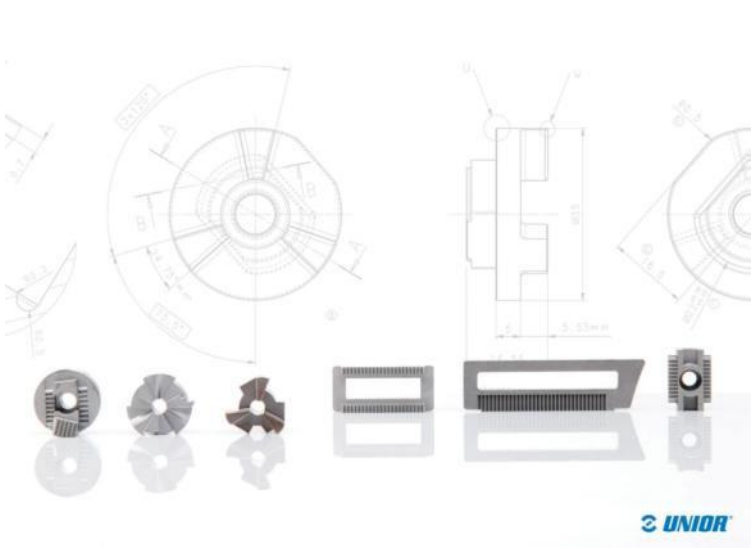
Main customers:

- Mahle Filtersysteme
- BPW
- Robert Bosch Automotive Steering
- ZF AG
- Mitec Automotive
- Audi
- Willi Elbe
- Carlo Gnutti

Sinter products







Forge – Certificates

BUREAU VERITAS Certification

Certificate of Approval

Awarded to

Unior d.d.

Kovaška cesta 10
3214 - Zreče - Slovenia

Extended Site(s): Page 2

Bureau Veritas Certification certify that the Quality Management System of the above organisation has been audited and found to be in accordance with the requirements of

IATF 16949

and the applicable customer specific requirements

SCOPE
Manufacturing

PERMITTED EXCLUSION(S)
8.3 - Design and development of products and services

PRODUCT(S) DELIVERED
Drop forged pieces, sintered pieces and machined drop forged pieces

Date of certification: 06 February 2018
Date of expiration: 05 February 2021
IATF Certificate N°: 289264

BUREAU VERITAS Certification

Certificate

Awarded to

UNIOR d.d.
KOVAŠKA CESTA 10, 3214 ZREČE, SLOVENIJA
and sites listed in the appendix

Bureau Veritas Certification Holding SAS – UK Branch certify that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standard detailed below

STANDARD

ISO 14001:2004

SCOPE OF CERTIFICATION

DEVELOPMENT, PRODUCTION AND SALE:

- HOT FORGINGS, MACHINED FORGINGS AND SINTERED PRODUCTS

- HAND TOOLS, CARRIAGES FOR TOOLS, OTHER METAL EQUIPMENT AND COLD FORGED PARTS

- SPECIAL MACHINES FOR THE TREATMENT OF METALS.

Original certification date: **14/05/2004**

Certification cycle start date: **03/12/2016**

Valid to the continued satisfactory operation of the organization's Management System, this certificate expires on: **15/09/2018**

Certificate number: **SL21621E** *Version number:* **01** *Revision date:* **02/12/2016**

UKAS MANAGEMENT SYSTEMS
008

UNIOR®

Forge – Contacts

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FORGE			
Mr. Robert RIBIC **General Manager Forge Programme**	**+386 3 / 75 78 107** **Mob.: +386 41 / 765 406**	**+386 3 / 57 62 766**	**Robert.Ribic@unior.com**
Mr. Rafael FURMAN **Sales and Logistics Manager** **Assistant General Manager Forge Programme**	**+386 3 / 75 78 278** **Mob.: +386 41 / 323 946**	**+386 3 / 57 62 766** **+386 3 / 57 62 103**	**Rafael.Furman@unior.com**
Mr. Stojan PEČOVNIK **Quality Assurance Manager**	**+386 3 / 75 78 401**	**+386 3 / 57 62 766**	**Stojan.Pecovnik@unior.com**
Mr. Srečko KRUŠIČ **Production Manager**	**+386 3 / 75 78 320**	**+386 3 / 57 62 766**	**Srecko.Krusic@unior.com**
Mr. Martin PODGRAJŠEK **Head of Construction & Development**	**+386 3 / 75 78 290**	**+386 3 / 57 62 766**	**Martin.Podgrajsek@unior.com**

Forge – Contacts

	☎	🖹	🖱
MACHINING division			
Mr. Herman Cigler **Plant Manager**	**+386 3 / 757 33 11**	**+386 3 / 57 62 766**	**Herman.Cigler@unior.com**
Mr. Aleš ROZMAN **Production Manager**	**+386 3 / 757 33 16**	**+386 3 / 57 62 766**	**Alesrozman.OOK@unior.com**
Mr. Joze RAVNICAN **Head of Construction & Development**	**+386 3 / 757 33 19**	**+386 3 / 57 62 766**	**Joze.Ravnican@unior.com**
Mr. Ales RAK **Quality Manager**	**+386 3 / 757 33 15**	**+386 3 / 57 62 766**	**Ales.Rak@unior.com**
SINTER division			
Mr. Boris BRDNIK **Plant Manager**	**+386 3 / 75 78 544**	**+386 3 / 57 62 766**	**Boris.Brdnik@unior.com**
Mr. Anton HREN **Quality Manager**	**+386 3 / 75 78 444**	**+386 3 / 57 62 766**	**Anton.Hren@unior.com**