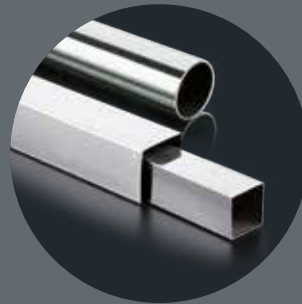




On the bright side of the road

UNIPROMET
COMPANY BROCHURE





THIS IS OUR STORY

It all began with one man's vision...

Back in 1989, the idea and determination of one man laid the foundations for a company built on hard work, quality, and trust. His vision was not only a business idea but also a life mission – to create something lasting, strong, and worthy of respect through dedication and perseverance.

Three generations, one legacy

Over the decades, Unipromet has grown together with the family. The first generation laid the foundations, the second strengthened and expanded them, while the third brings fresh energy and a modern outlook on the future. This union of generations, bound by the same values, makes the story of Unipromet not just a business story, but one of family, tradition, and trust that has endured for more than three decades.



UNIPROMET



Today, Unipromet is an internationally recognized company with **more than 650 skilled and dedicated employees.**

Our production facilities in Čačak and Kraljevo, Serbia, cover over 60,000 m² of working space and 220,000 m² of land, where we manufacture steel safety systems, noise protection panels, welded tubes, vertical traffic signage, solar systems, and vineyard posts. Our **in-house R&D center** ensures continuous product improvement and the development of innovative solutions, while our engineers, in cooperation with European experts, advance safety systems and technologies for roads and traffic.

Membership in prestigious associations such as Gütegemeinschaft Stahlschutzplanken eV and Studiengesellschaft Stahlschutzplanken eV (**RAL**), as well as regular quality control at **TÜV and BAST laboratories in Germany and DTC in Switzerland**, guarantees that our products meet the highest standards. This opens access to global markets operating in accordance with **the EN 1317 standard.**

Beyond Serbia, Unipromet strengthens its regional and international presence through **representative offices in North Macedonia and France**, making cooperation with partners and access to foreign markets even easier.

Our fleet for international transport and 10 mobile installation teams ensure fast and reliable delivery and assembly of products worldwide. With ISO 9001, CE, and NF certifications, more than 55% of our production is exported to over 30 countries worldwide, from Germany, Switzerland, Italy, the Czech Republic, France, Greece, Estonia, Sweden, Austria, and Portugal, across the Balkans, all the way to Turkey, Cameroon, and Kuwait.

In **2012, Unipromet founded its subsidiary Noleko**, specialized in solar solutions and the development of innovative technologies in renewable energy. Today, through this partnership, Unipromet not only manufactures steel structures for solar panels, solar carports, and agro-solar systems but also provides its partners with complete, end-to-end solutions – from concept and design, through production, to final realization and implementation. In this way, the company actively contributes to environmental sustainability, combining innovation with responsible production and long-term solutions.

Unipromet has always been – and remains – a symbol of stability, innovation, and trust. A company that builds the future while relying on tradition, family, and the values that define us, with a focus on people, technology, and sustainable development.



Mission

Our mission is to create products that improve quality and safety of life in our society. Always on the bright side of the road.

Vision

Our vision is to be a synonym for a reliable company that creates and respects values.

Values

- Open communication and mutual trust
- Human welfare
- Reliability
- Integrity
- Persistence
- Innovation

660
employees
20%



Export to **30** countries

with high education

48%

40 employees younger than
years

HISTORY

1989.

Unipromet was founded as a trading company.

1996.

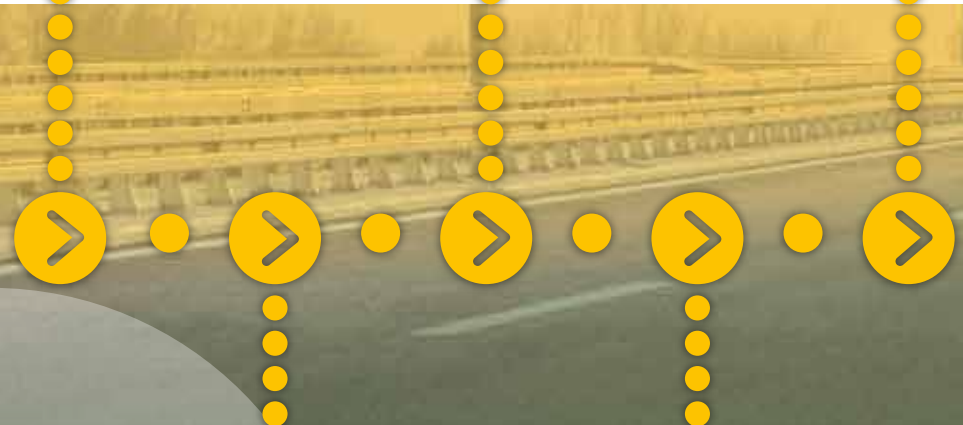
Line for **profiling, longitudinal cutting** and **press brakes** was purchased.

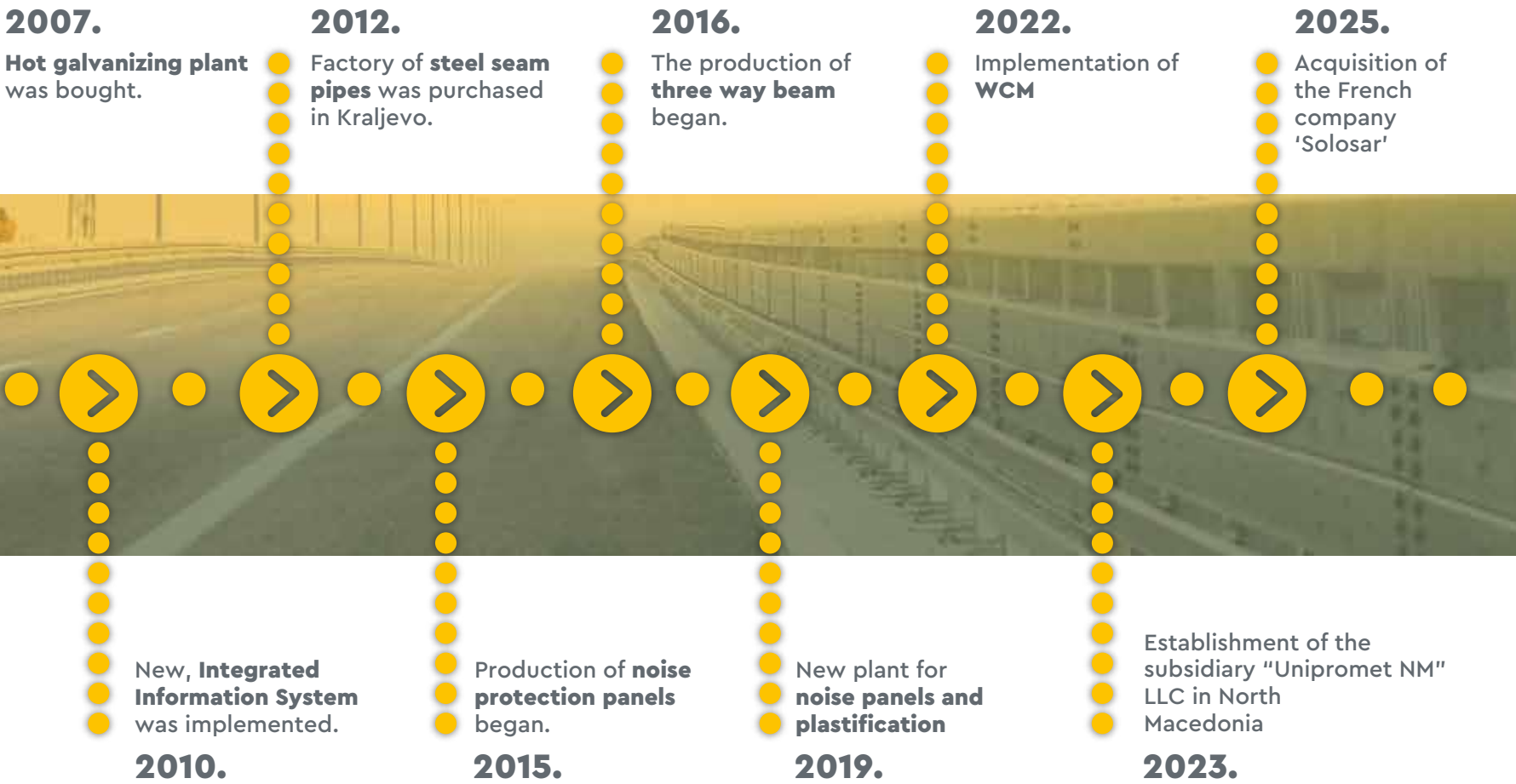
Idea of the manufacturing of steel guard rails was born.

1992.

Unipromet became a member of the "RAL" society from **Germany**.

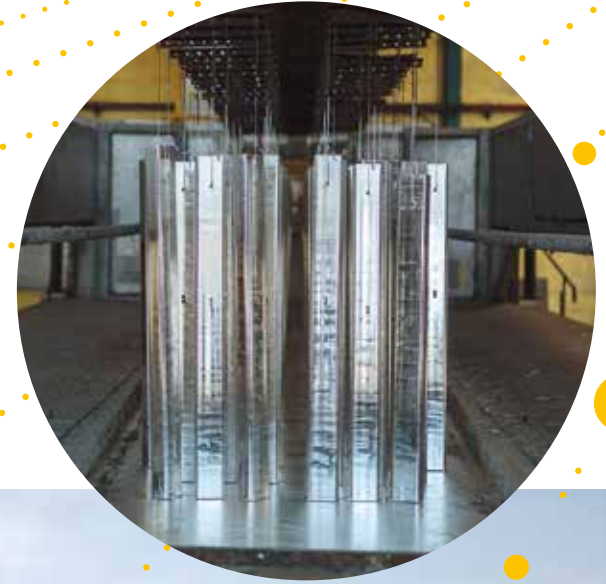
2003.







WHAT WE DO



ROAD SAFETY

- Safety Guardrails
- Noise Protection Panels
- Pedestrian Fences
- Wire Fences
- Protective Wire
- Installation





COLD FORMED PROFILES AND SHEETS

- ZP Profiles
- Handle M9
- Tubes and pipes
- Cold rolled sheet
- Hot rolled sheet
- Cold rolled strip
- Hot rolled strip



STEEL CONSTRUCTION

- for farms
- for industry
- for mobile fences
- for traffic signalization
- for solar photovoltaic power plants
- for Carports
- for vineyards and orchards



SERVICES

- hot-dip galvanizing service
- plastification
- transport services

SAFETY GUARD RAILS

Working width category	Working width degree
W1	$W \leq 0,6m$
W2	$W \leq 0,8m$
W3	$W \leq 1,0m$
W4	$W \leq 1,3m$
W5	$W \leq 1,7m$
W6	$W \leq 2,1m$
W7	$W \leq 2,5m$
W8	$W \leq 3,5m$

Beam A

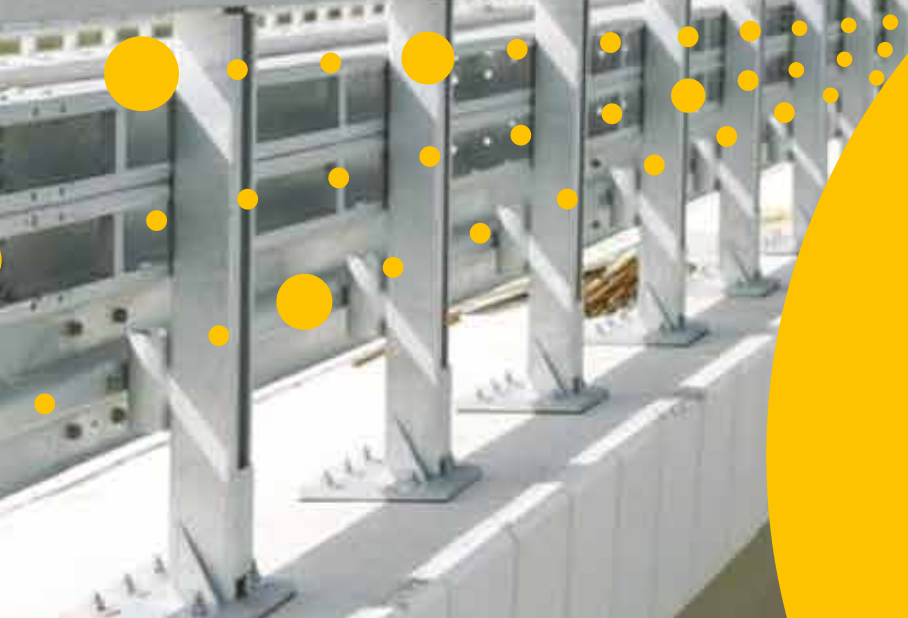
Beam B

Beam A1

Three wave beam

Safety guardrails are necessary for the safe traffic flow and protection of all traffic participants. Unipromet safety guard rails are made of high quality steel, with a hot-dip galvanizing coat.

We have over 60 tested and certified systems that fully comply with all European (EN 1317) and world standards (ASTRA and NF).



Vehicle intrusion category	Normalized vehicle intrusion
VI1	$V_{IN} \leq 0,6m$
VI2	$V_{IN} \leq 0,8m$
VI3	$V_{IN} \leq 1,0m$
VI4	$V_{IN} \leq 1,3m$
VI5	$V_{IN} \leq 1,7m$
VI6	$V_{IN} \leq 2,1m$
VI7	$V_{IN} \leq 2,5m$
VI8	$V_{IN} > 3,5m$
VI8	$V_{IN} \leq 3,5m$
VI9	$V_{IN} > 3,5m$

Levels of containment

Levels of containment	Appropriate testing
Normal containment potential	
N1	TB 31
N2	TB 32 & TB 11
High containment potential	
H1	TB 42 & TB11
L1	TB 42 & TB 32 & TB 11
H2	TB 51 & TB 11
L2	TB 51 & TB 32 & TB 11
H3	TB 61 & TB 11
L3	TB 61 & TB 32 & TB 11
Very high containment potential	
H4a	TB 71 & TB11
L4a	TB 71 & TB 32 & TB 11
H4b	TB 81 & TB 11
L4b	TB 81 & TB 32 & TB 11



SOLOWOOD

ROAD SAFETY SYSTEMS • ACCESS CONTROL SOLUTIONS

SOLOSAR
PART OF UNIPROMET 

The line of combined wood and steel systems, CE certified (EN 1317-2), represents a sustainable solution that blends seamlessly into the landscape - without compromising road safety.

With a containment capacity equal to that of steel guardrails and ASCQUER certification, these systems combine wooden cladding with C100 steel posts and factory - assembled horizontal rails.

Thanks to simple installation and flexible production, they ensure reliable and efficient implementation across various roadways.

These systems provide the optimal balance between safety, durability, and visual integration into the surrounding environment.

The combination of autoclave-impregnated pine (class 4) and hot-dip galvanized steel (S235 JR) delivers long-lasting, environmentally responsible, and aesthetically pleasing protection for cycling paths, parking areas, and public spaces across Europe.

All components are manufactured in France under ISO 9001 quality control, while the wood carries the FSC - certified mark of sustainable forestry management.

SOLO NATURE

.....



ULTRAGUARD

.....



An innovative solution that sets new standards in road safety.

This specially developed signaling system combines water-based paint with high-reflective glass beads, providing outstanding visibility both day and night - even in challenging weather conditions.

Whether applied to guardrails, concrete barriers, or mobile systems, ULTRAGUARD introduces a three-dimensional visual effect that transforms the way we see and experience the road.



NOISE PROTECTION PANELS

Categories of absorptive performance

Category	<i>DL_a</i> dB
A0	Not determined
A1	< 4
A2	4 to 7
A3	8 to 11
A4	11 to 15
A5	> 15

On the highway, vehicles create noise of 80 decibels per average. In residential areas, regulations prescribe noise reduction to below 65 decibels during day and below 55 during night so noise protection panels are a must in these road sections.

Aside from being used on the highways, aluminium noise protection panels are used on railroads, constructions, all urban areas and all other areas where noise reduction is necessary.



ABSORPTION PANELS



Their role is to partially absorb the sound waves and thus reduce noise. They are made of perforated aluminum sheet on the front (absorbent) side and profiled aluminum sheet from the rear (reflective) side, filled with bituminous stripes and stone wool. On the side, these panels are closed with aluminum covers.



TRANSPARENT PANELS



Unlike the standard panel types, these are specific as they do not block the view, however they provide the same protection.

They are made of polycarbonate or acrylic glass in the appropriate aluminum frame.



REFLECTIVE PANELS



Their role is to reflect part of the sound waves into the atmosphere.

They are made of profiled aluminum sheet on both front and back side, with stone filling wool. On the side, these panels are closed with aluminum covers.



WIRE FENCES

.....

We can offer wires of different heights and types of knits. We also offer a solution with columns that are installed by directly driving the posts into the ground, without concreting. The standard solution is 1650mm high (with farmer's mesh height 1600mm). The elements of the wire fence are protected by hot-dip galvanizing in accordance with the standard EN ISO 1461 (mesh with a minimum zinc content of 200gr / m²).

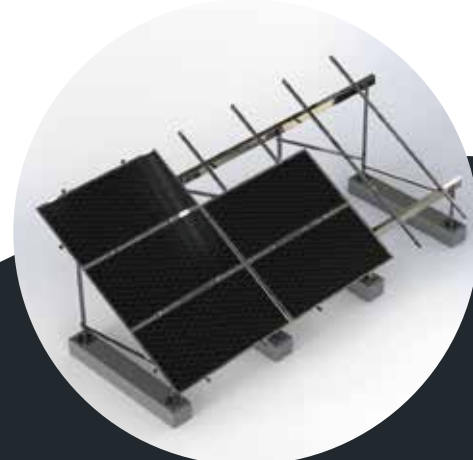
PEDESTRIAN FENCES

We make pedestrian fences according to customer requirements, but we can also offer our standard solutions made of round or square pipes of different sizes, with appropriate fillings. Pedestrian fences can be protected by hot-dip galvanizing in accordance with the standard EN ISO 1461 or painting in color according to customer requirements. We also offer various options for installing pedestrian fences, through appropriate anchor bolts or direct concreting in the bridge cap.



SAFETY NETS

They are made of griffin mesh built into a suitable L-profile frame. All elements of the net are protected with hot-dip galvanizing in accordance with the standard EN ISO 1461 and the nets are placed on the existing pedestrian / protective fences by means of appropriate stirrups without additional welding.



SOLAR MOUNTING SYSTEMS

Reliable constructions for solar systems not only ensure stability and durability, but also maximum utilization of solar energy, even in difficult weather conditions.

Unpredictable climate changes bring increasingly extreme weather conditions. In such an environment, the key safety factor for solar power plants becomes the resistance of structures to various challenges, such as strong storms, hail, or extreme temperatures, which can result in large unforeseen costs.

Quality materials and innovative designs allow solar power plants to operate safely and efficiently, reducing the risk of damage.

- **Exceptional strength and durability:** Steel is known for its high strength and durability, making it suitable for supporting large and heavy solar systems.
- **Precise design with static calculations:** A team of engineers is dedicated to the development of project plans, which include static calculations, taking into account the specific characteristics of the terrain.
- **Support during the project:** In order to provide a complete service, our engineers are available during the entire duration of the project for all questions and support.
- **Warranty up to 25 years:** Steel galvanized systems according to the EN 1461 standard come with a warranty of up to 25 years, depending on the conditions of the corrosive environment.

Solar power plant - TURNKEY SOLUTION

Year after year, global pollution and warming are gaining momentum and the consequences are felt most by us and our environment.

In order to preserve our planet, it is necessary to reduce pollution and the use of fossil fuels while switching to alternative energy sources without harmful effects. Always keep in mind that we did not inherit the planet from our ancestors, but borrowed it from our descendants.

In cooperation with the daughter company Noleko, specialized in the design and construction of solar power plants for more than 10 years and 100+ power plants built so far, we offer:

- Creation of project and technical documentation
- Obtaining the necessary permits and approvals
- Delivery and installation of steel structures, solar panels, inverters...
- Commissioning of solar power plants
- Maintenance of solar power plants



The power of innovation, design and sustainability

In a world where sustainability and aesthetics meet, solar UNI Carports are the perfect choice for modern investors and companies.

Sophisticated design improves the look of your space, adding a luxurious and prestigious touch to it.

**SOLAR
CAPRORT**





Why is UNI Carport a good choice?

- **Exceptional strength and durability:** Made of high-quality steel and protected according to the EN 1461 standard, the UNI Carport guarantees permanent resistance and stability.
- **Resistance to extreme weather conditions:** Designed to withstand wind speeds of up to 25 m/s and a snow load of 1.5 kN/m², it provides maximum protection even in the most demanding conditions.
- **Functional design:** The roof angle of 7 degrees allows for efficient drainage of water and snow, which further increases the longevity and functionality of the structure.
- **Solid and reliable construction:** Metal hot-dip galvanized construction ensures long-lasting protection for your vehicles, reducing maintenance costs.
- **Unique aesthetic appearance:** UNI Carport not only protects your vehicle, but also enhances the appearance of your space, making it the perfect choice for modern investors.
- **Scalability:** UNI carport is originally intended for two parking spaces. The construction is modular, and by adding one pillar in the extension, two more parking spaces are obtained, which makes it possible to continue the carport to cover the desired area.

TRAFFIC EQUIPMENT

Vertical traffic signaling is a basic pillar of modern traffic infrastructure. Its key functions include warning drivers, regulating traffic, informing about routes, directing participants and increasing road safety. Proper installation and maintenance of vertical signage can create a safer and more efficient environment for all road users.

We produce and sell:

- Crowd Control Barriers
- Safety Barrier Bollard
- Hoop Protection Guards
- Tubular Frame With Posts
- Tubular Posts





METAL PROCESSING

Using modern tools and machines, we change the shape, dimensions and even the properties of the metals we process with great precision.

This process includes the creation of technical-technological documentation, determination of the processing process, selection of the most suitable material that produces the least amount of waste, molding with the appropriate technological process, as well as indispensable quality control and eventual finishing.



SEAM PIPES

Seam pipes provide exceptional strength and stability, making them ideal for use in construction and construction. They are available in different shapes (square, rectangular, round).

Advantages of seam pipes:

- Possession of the CE mark
- Meeting international standards (EN 10220, EN 10219, EN 10219-1)
- Effective storage methods ensure the preservation of product quality and prevent damage during storage
- Guarantee on zinc application
- High adaptability to different project requirements

They are used for the production of metal furniture, light steel structures, for cars and trucks, agricultural machines and tools, mechanical engineering and general consumption.





HOT DIP GALVANIZING

Hot-dip galvanizing is taking primacy over coating, primarily due to permanent and high quality anti-corrosive protection but also expendable and ecological acceptability.

After we purchased the hot-dip galvanizing plant, the production lifecycle was completed and product quality was improved. We process 90.000t of metal per year.



Advantages

- Quality and durable anti-corrosion protection
- High resistance to mechanical damage
- More profitable and durable than coating
- Environmentally friendly
- Protects the interior of hollow structures

PLASTICIZATION

.....

The electrostatic painting line is designed to meet the most stringent anti-corrosion protection requirements in the world of the modern metalworking industry.

- The emphasis is on extremely high-quality physical and chemical preparation of the metal surface, and then on the application of powder on a polyester, epoxy-polyester or any other base.

The plant is designed so that it can meet the requirements of plasticizing elements made of:

- Stainless steel
- Galvanized steel
- Ordinary steel
- Aluminum
- Cold rolled sheet

The maximum dimensions of the working elements to be treated can be in the range 6,100 mm (length), 1,900 mm (height) and 700 mm (width).

The entire process takes place via a transport system consisting of load-carrying units with a load capacity of 80 kg/m, a total length of 300 m





INSTALLATION

Professional and experienced team, combined with modern equipment and technology, allow us to perform the assembly service of all of our elements promptly and with great ease.

Years of experience and satisfied customers are the best proof of our quality and commitment.

Efficient and Professional

- 10 highly-skilled installation teams
- Over 700 installed kilometers of safety guardrails per year
- Use of state-of-the-art equipment
- Meeting deadlines

INTERNATIONAL TRANSPORT

In order to complete the story of full service for our clients, from the production of steel elements and their galvanizing for additional protection, we provide the service of international transport. We own a fleet of over 30 new trucks with experienced drivers who travel over 2,000,000 km per year.

Widely branched network and long-term partnerships with our associates enable us high quality and reliability of the international road transport services.



Strongest on the Road

- Fleet of 30 trucks of various load capacities
- Experienced drivers with over 2,000,000 km per year
- Meeting deadlines



CONTROL IN EVERY PROCESS

Committed to quality and world standards, the Unipromet company carries out detailed internal quality control processes. These processes include receiving quality control, semi-finished product quality control, final product quality control, as well as installation quality control.

Each stage of production and implementation is carefully checked to ensure the highest level of quality and compliance with international standards, thus guaranteeing reliable and safe products for our customers.



Quality guarantee

Possession of the CE mark is a confirmation of product compliance with high international quality and safety standards. This sign guarantees that the products meet all relevant European guidelines, providing customers with safe and reliable products that meet the most stringent market requirements. Commitment to quality and compliance with global standards is key to providing products that meet the needs of modern users.



REFERENCE PROJECTS

Road equipment:

- Highway Ruma – Šabac (Serbia)
- Expressway Šabac – Loznica (Serbia)
- Moravian Corridor (Serbia)
- Danube Corridor (Serbia)
- Highway Gradsko – Prilep (North Macedonia)
- Expressway Lašva – Nević Polje (Bosnia and Herzegovina)
- Highway Nikšič – Čevo (Montenegro)
- Bridge on Pelješac (Croatia)
- Saarbrücken, A623 (Germany)
- Regensburg (Germany)
- A1 Deutschland (Germany)
- A4 Bautzen (Germany)
- A24 Heiligengrabe (Germany)
- Coswing (Germany)
- Groß Oesingen (Germany)
- A9 (Czech Republic)

Solar power plants:

- Neresnica (Serbia)
- Senta (Serbia)
- Vranje (Serbia)
- Belgrade (Serbia)
- Sarajevo (Bosnia and Herzegovina)
- Tonopah (USA)



SRBIJA

Unipromet doo

Bulevar oslobođenaca Čačka 92A
32 103 Konjevići, Čačak – Serbia

T: +381 32 357 040

E: office@unipromet.co.rs

NORTH MACEDONIA

Unipromet NM dooel

Maksim Gorki 14-6
1000 Skopje - N. Macedonia

E: unimak@unipromet.co.rs

FRANCE

Solosar Sàrl

Parc industriel Sud
3 rue Dr. Guillaume Schoettke
57200 SARREGUEMINES - France

T: +33 3 87 98 56 04

E: info@solosar.fr



www.unipromet.co.rs