



Company Profile

www.3amakina.com

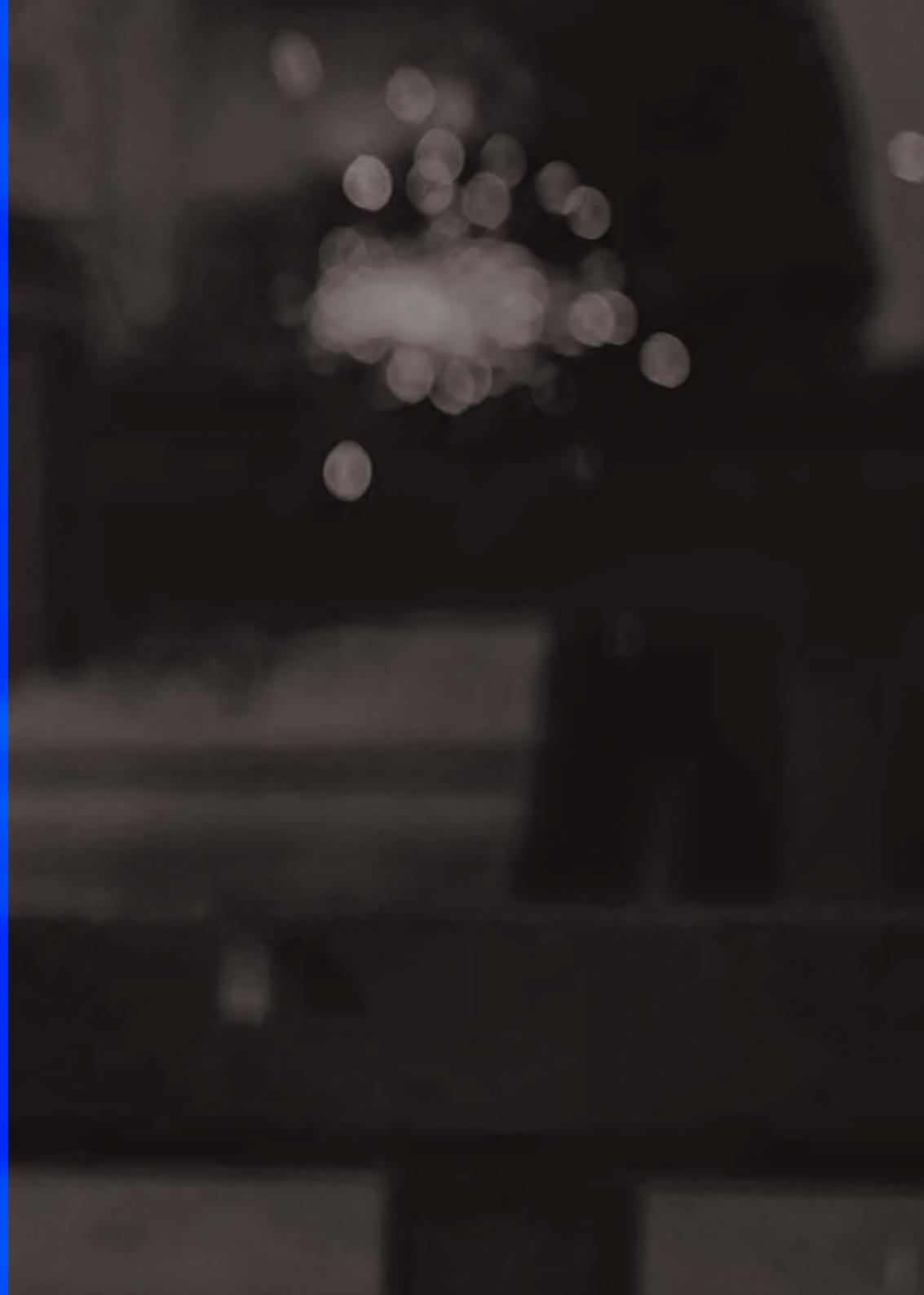


Steel & Stainless Steel, Tank and Custom Engineering & Fabrication.



**ENGINEERED
& FABRICATED**

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 3A MAKIN

About 3A Makina

3A Makina provides sustainable fabrication services to the water and wastewater treatment, energy, chemicals, minerals, plastics, glass, recycling and paper industries worldwide.

We deliver high quality equipment and service solutions globally that enable our customers to improve performance, drive down costs and reduce environmental impact.

3A Makina is a reliable fabrication partner to a wide variety of commercial, municipal, industrial organizations in the water and wastewater treatment industry. We are serving global industry leaders since 1985. We use our experience, expertise and flexibility to adapt different projects to deliver high quality, in-house built equipment.

We understand the challenges of water and wastewater treatment applications, especially the requirement for high quality, custom fabricated equipment that can outlast the highly corrosive substances used for water treatment facilities.

Our fabrication facilities have been divided into two separate sections to prevent contamination of steel and stainless steel. We specialize in the custom design fabrication of a wide range of equipment using specialty steels including exotic steel and stainless steel grades.

Our services are not limited to fabrication, only. We offer testing, installation, logistics and startup services to minimize the costs of our partners.

3A Makina is ready to serve companies of all sizes to increase their competitiveness by providing high competitive prices without giving up on quality and without increasing the workload of the clients by handling all the documentation in a proper way.



What We Offer?

- Competitive prices without giving up on the quality.
- Fine fabrication with high tech machinery.
- Stainless steel and carbon steel separation, no carbon contamination for stainless steel products.
- Engineering and design support with fabrication approach.
Well organized and strict quality control procedures following project ITP's.
- Customer procedures integration.
- Detailed documentation integrity.
- ISO 9001:2015, EN:1090, ISO 3834:2 certified company, all welders certified.
- High quality raw material usage for long lasting projects ensuring satisfied end customers.
- Supporting both customer and 3rd party inspections to ensure we deliver faultless equipment.
- Delivering on the promised time.
- Worldwide logistics support.





Our Business

Founded in 1985, 3A Makina operates in the heart of Turkey, Istanbul with a 4.000 m² indoor and 2.000 m² outdoor manufacturing facility, surrounded with highways, seaports and airports. Our facility is equipped with suitable machinery and tools for fabricating steel works up to 1.100 tons/year.

With over 200 reference projects worldwide, 3A Makina distinguishes itself with its experience and is a prominent fabricator in the global water and wastewater treatment industries thanks to its successful involvement with major companies and organizations.



Experience

The experience is very important for fabrication. It has been 40 years since 3A Makina finished its first project. Our fabrication team is very experienced in their own field. This experience makes it easy for customers who would like to participate in the production phase and also gives confidence to the customers with limited fabrication knowledge.



Trust

After many years 3A Makina gained a well-earned reputation in its business field for being trustable. Since sustainability and customer satisfaction are very important aspects for project fabrication business we always aimed to satisfy our customers and to keep our words no matter what size the project was. Our customers satisfaction are based on our ability to keep our words. Our references are the main reasons for us to keep working with major global companies continuously.





Quality

3A Makina is well aware of the competition in fabrication sector and that is the main reason we take our steps very carefully when it comes to production and control. Besides focusing our own quality procedures we also have strict quality expectations from our suppliers. We only work with well reputable companies locally and globally, also. Our quality team is monitoring all production phases and also shares their findings with our customers in time. You are welcome to check our quality page for the certificates we have.



Flexibility

In 3A Makina we do not strict our fabrication capabilities with several products. We adapt our production line to new designs coming from our current or potential customers. We are eager to help our customers with their product design with our perspective of being an experienced fabricator to decrease the production costs.



Competitiveness

Our clients often decide to outsource steel fabrications within their businesses so they can focus their resources more specifically on their core competencies, thereby we help them gain competitive advantages in the market. They outsource as a way to lower costs, improve efficiencies and gain speed.



Our Core Values

Keeping our words

Honest and transparent trade

Best service we can provide

Make and keep commitments

Combining intelligence with
industriousness

Value our people and their families



Our Vision

Becoming a leader contract fabricator
in Turkey serving globally by improving
our fabrication skills and product quality
continuously.



Our Mission

We know the importance of well
organized fabrication. In 3A Makina
we globally serve to the companies
who are expecting well organized
and monitored fabrication.



Our Facility

Founded in 1985, 3A Makina operates in the heart of Turkey, Istanbul with a 4.000 m² indoor and 2.000 m² outdoor manufacturing facility, surrounded with highways, seaports and airports. Our facility is equipped with suitable machinery and tools for fabricating steel works up to 1.000 tons/year.



Our Certificates

ISO 9001:2015

ISO 45001:2018

EN 1090-1:2009

ISO 14001:2015

ISO 3834:2005

EN 1090-2:201

The background of the entire page is a dense, close-up photograph of green leaves, likely from a plant like Philodendfon. The leaves are vibrant green with prominent white veins. Overlaid on this image are large, white, abstract geometric shapes: a large circle on the left side and a large triangle on the right side, both pointing towards the center. The text is placed within the white triangular area.

HELPING NATURE

A lot of the projects we have been a part of were about wastewater filtering or other things to help nature. Sustainability is important not only as a contributor but also as a company in itself



АНІКАМ АЗ 

Outsourcing

There are several reasons why a company has been chosen as the equipment fabricator in the projects that took place thousands of kilometers away from its based country.

The outsourcing of labor overseas is a natural result of the globalization of markets, and businesses' drive to cut costs to maximize profits.

For a company to effectively outsource responsibilities, it is important to focus on the business partnership as much the logistics. Outsourcing is about managing relationship more than service-level agreements, and is a partnership, not a purchasing project. Maintaining and securing a trusted relationship is essential in outsourcing efforts and is more complex than establishing service levels and relationships.

Companies outsource as a way to lower costs, improve efficiencies and gain speed. Our clients that decide to outsource rely on the third-party providers' expertise in performing the outsourced tasks to gain such benefits. The underlying principle is that because we focus on the fabrication tasks, it is able to do it better, faster and cheaper.

Given such benefits, our clients often decide to outsource steel fabrications within their businesses so they can focus their resources more specifically on their core competencies, thereby we help them gain competitive advantages in the market.

But global outsourcing comes with certain risks. When outsourcing, companies may experience problems with service delivery, lack of flexibility, management difficulties, instability and confidentiality.





3A Makina has proven itself as a company which eliminates these risks for its customers. In addition to that we are continuously evolving in both quality and fabrication capacity aspects to meet the requirements of the incoming projects with new challenges.

3A Makina provides sustainable fabrication services to the water and wastewater treatment, energy, chemicals, minerals, plastics, glass, recycling and paper industries worldwide.

We deliver high quality equipment and service solutions globally that enable our customers to improve performance, drive down costs and reduce environmental impact.

With over 200 reference projects worldwide, 3A Makina distinguishes itself with its experience and is a prominent fabricator in the global water and wastewater treatment industries thanks to its successful involvement with major companies and organizations.

A lot of the projects we have been a part of were about water treatment and other processes to help protect nature. Sustainability is important not only as a contributor but also as a company in itself.

During our manufacturing processes we stay sustainable. Causing little to no harm to nature while we also help nature is important to us.



Steel & Stainless Steel Fabrication

3A Makina is a reliable fabrication partner to a wide variety of commercial, municipal, industrial organizations in the water and wastewater treatment industry. We are serving global industry leaders since 1985. We use our experience, expertise and flexibility to adapt different projects to deliver high quality, in-house built equipment.

Related Products

- Conventional Clarifiers
- Dissolved Air Flotation (DAF) Clarifiers and Thickeners
- Filtration Modules
- Flocculating Clarifiers
- Gravity Thickeners
- High-Rate Thickener Clarifiers
- Package Treatment Plants
- Paste Thickeners
- Pressure Filters
- Rotary Vacuum Drum Filter
- Screening
- Screw Conveyors
- Sedimentation Tanks
- Sludge Removal Systems
- Solids Contact Clarifiers



Tank Fabrication

3A Makina is an experienced tank fabrication of storage tanks, crystallization tanks (crystallizers), reactors, pressure vessels, filtration tanks and customer designed special purpose tanks.

Related Products

- Crystallization Tanks
- Pressure Filters
- Mixing Tanks
- Reactors
- Storage Tanks



Custom Fabrication

Our people can work from the customer drawings and designs, or those provided by engineering companies, consultants or other engineers working in the specified sector. We can also provide design and engineering services for the customers to meet their specific fabrication requirements.

Related Products

- Custom Designs
- Industrial Ovens for Glass Industry
- Paddle Mixers
- Ribbon Mixers
- Screw Conveyors



Vibrating Systems

Our vibrating systems are exclusively designed for the conveying, screening and heat exchange processes. 3A Makina is ready to offer a wide selection of spiral conveyors and screens with various capacities.

Related Products

- Vibrating Spiral Conveyors
- Vibrating Screens





Several Projects We Involved In

There are several reasons why a company has been chosen as the equipment fabricator in the projects that took place thousands of kilometers away from its based country.

The outsourcing of labor overseas is a natural result of the globalization of markets, and businesses' drive to cut costs to maximize profits.

But global outsourcing comes with certain risks. When outsourcing, companies may experience problems with service delivery, lack of flexibility, management difficulties, instability and confidentiality.

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The Annacis Island Wastewater Treatment Plant

Project Location: Delta, British Columbia, Canada

Project Owner: Metro Vancouver

The Annacis Island Wastewater Treatment Plant is one of its region's largest wastewater treatment facilities. It receives and treats wastewater from 14 municipalities across the Lower Mainland so that it can be safely released back into the Fraser River.

The Annacis Island Wastewater Treatment Plant currently treats wastewater using primary and secondary treatment technologies. The expanded facility is to ensure that the plant can manage a higher volume of wastewater, continue to keep odour to a minimum and will continue to operate in the event of a major earthquake.

3A Makina's Role

Complete fabrication and delivery of 6 x Ø40m tank diameter secondary clarifiers made from 316L SS, sandblasted finishing.

3A Makina Processes

Fabrication of secondary clarifier inner mechanisms. Material: **316L SS**


Fabrication of secondary clarifier outer mechanisms. Material: **316L SS**

Fabrication of secondary clarifier launder and weir. Material: **316L SS**

Fabrication of secondary clarifier tank supports. Material: **316L SS**

Fabrication of secondary clarifier platforms and walkways. Material: **316L SS**





Aktobe Ferroalloy Plant

WWT AP02 Smelting Shop No. 4 Thickeners

Project Location: Aktobe, Kazakhstan
Project Owner: JSC TNK Kazchrome

Aktobe Ferroalloys Plant is a modern, consistently developing enterprise, the production volume of which is more than 740 thousand tons of ferroalloys per year. The plant includes 2 smelting shops, a slag processing shop and auxiliary shops. Smelting Shop No. 4 is the newest unit of the enterprise. This shop uses an innovation technology of smelting in the direct current furnaces being a unique one not only for the Republic of Kazakhstan, but also for the global ferroalloys industry. The shop is equipped with the most efficient (72 MW) direct current furnaces in the world for the production of high-carbon ferrochrome. The whole process is automated as much as possible.

Particular attention is paid to safety and environmental protection. This project aims to treat the wastewater produced while chrome production.

3A Makina's Role

Complete fabrication and delivery of 2 x Ø40m tank diameter thickeners made from 316L SS and CS

3A Makina Processes

Fabrication of thickener inner mechanisms. Material: **316L SS**

Fabrication of thickener outer mechanisms. Material: **316L SS**

Fabrication of thickener tank supports. Material: **316L SS**

Fabrication of thickener platforms and walkways. Material: **CS**

The image shows a large industrial workshop with a high ceiling and bright lighting. In the foreground, there are several large, curved metal components, likely parts of thickener tanks, arranged in a row. Behind them, there are stacks of large metal pipes and other industrial parts. A crane is visible in the background, and the overall scene depicts a busy manufacturing environment for heavy industrial equipment.

LKAB Malmberget Iron Ore Mine Clarifiers

Project Location: Gallivare, Sweden
Project Owner: LKAB

The application includes a continued and expanded production in existing facilities, as well as a new apatite plant with associated operations, an expanded sand and clarification reservoir, a reserve landfill for waste rock and a landfill for lime waste and inert waste. In addition, an assessment is made of the environmental impact that HYBRIT's planned operations within the framework of LKAB's area will entail. "The production itself can be handled within today's industrial area. However, the restrictions on the disposal of side rocks and enrichment sand have become an increasing problem for us, which means that we cannot produce the quantities that would otherwise be possible under the current permit. So this is very important for us", says Monika Sammelin, Area Manager in Malmberget. "This permit is extremely important both in the short and long term. In the short term, it is a prerequisite for ensuring continued operations and to continue the improvements that have taken us to where we are today. In the longer term, it is necessary for the implementation of the business' climate change and other planned initiatives for a more environmentally friendly production", says Mårten Fäldner, Project Manager for the permit application.

3A Makina's Role

Complete fabrication and delivery of 3 x Ø17.5m tank diameter thickeners made from 316L SS and CS

3A Makina Processes

Fabrication of thickener inner mechanisms. Material: **316L SS**

Fabrication of thickener outer mechanisms. Material: **316L SS**

Fabrication of thickener tank supports. Material: **316L SS**

Fabrication of thickener platforms and walkways. Material: **CS**



Vale Nouvelle Calédonie EPP

Project Location: New Caledonia

Project Owner: Vale S.A.

The Goro nickel-cobalt mine is located on the Goro plateau in the southern part of the Grand Terre Island that forms part of the New Caledonia archipelago Caledonia in the South Pacific. The New Caledonia group of islands are located approximately 1,500km east of Australia in the south-western Pacific Ocean. The Goro deposit comprises two types of oxidised ore underlying 15m-thick sterile rocks on the surface. The upper part of the deposit predominantly composed of iron oxides-rich lateritic ore, while the magnesium-silicates (saprolite ore) are found in the lower part of the deposit.

The Goro plateau is believed to hold one of the biggest nickel and cobalt-containing laterite deposits in the world. The Goro nickel-cobalt mine is a fully-integrated mining operation involving an open-pit mine, a processing plant and a port facility in the French island territory of New Caledonia in the South Pacific.

3A Makina's Role

Complete fabrication and delivery of Ø24m tank diameter clarifiers made from 316L SS

3A Makina Processes

Fabrication of clarifier inner mechanisms. Material: 316L SS

Fabrication of clarifier outer mechanisms.. Material: 316L SS

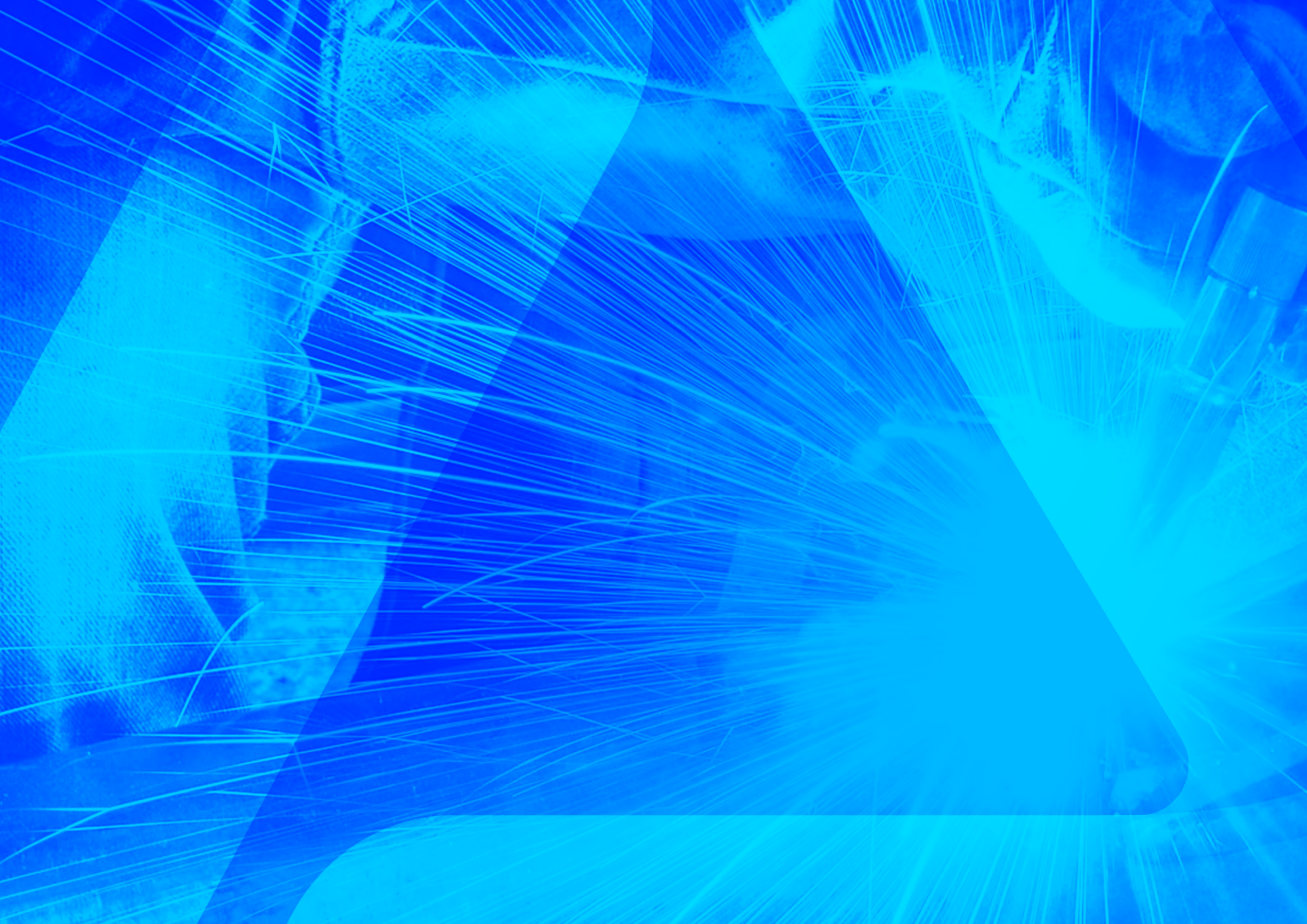
Fabrication of clarifier tank supports. Material: 316L SS

Fabrication of clarifier platforms and walkways. Material: CS

Our Clients

With over 200 reference projects 3A Makina distinguishes itself with its experience and is a prominent player in the global environmental technologies industry thanks to its successful involvements in the projects located more than five continents.







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& FABRICATED**



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