



Corrected version, approved.

March 28, 2025

Dr. Maximilian Lackner

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Comments on validity:

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1. Zoltek Zrt. basic data

Company name:	Zoltek Vegyipari Zártkörűen Működő Részvénytársaság
Short company name:	Zoltek Zrt.
Company Seat:	2537 Nyergesújfalu, Varga József tér 1.
Tax No:	11186542-2-11

"Green" Client Number (KÜJ No):

ZOLTEK ZRT.	100219276
"Green" Area Number (KTJ No):	
Plants producing plastic raw material and finished goods	100376880
Aboveground heating and diesel oil containers	
(1 x 5000 m ³ , 1 x 500 m ³ , 1 x 4.5 m ³)	100331797
Chemicals warehouse	100331834
Aboveground tank farm, containers and barrels of sulphuric acid	100331856
Boiler house	101625231
Chemical plant	101625220
Pultrusion technology	102713966
Sulfuric acid tanks	103065248
ACN 5001 container	103069017
5-tank raw material storage system	102859921

Headcount:	1170			
Area:	616 741 m ²			
Built-up area:	131 290 m ²			
EMAS area of activity:	616 741 m ²			
TEÁOR No:	2060.25			
Person in Charge:	Mr. Adam Ferencz (Plant Manager)			
EHS Manager:	Mr. Ivan Katona (EHS Manager)			
Founded in year:	1993			
Telephone:	+36-33-536-000			
Fax:	+36-33-536-150			
Webpage:	www.zoltek.com			
E-mail:	info@zoltek.hu			
Date of EMAS registration:	21 Jun 2017			
Verification Expiry:	21 Jun 2026			
Registration No:	HU-000039			
Certifying Organization:	Lloyd's Register EMEA Niederlassung Wien			
Accreditation No of the Certifying Authority: AT-V-0022				



2. Introduction

First of all, we would like to thank you for your interest in our Company and our environmental performance.

Nowadays, the protection of environment becomes more and more important. The owners of our Company, the Toray Group and all Zoltek Zrt. employees regard environment protection as a matter of high importance.

Through this Environmental Statement you can get to know our Company, and also, you receive some introductory information about the environmental policy of our Company and our strategy of continuous development. This Statement also contains the indicators of our environmental performance. Since 1995 we have run a separate department of work safety and environmental protection. In 2016 we introduced and received certification for our environmental management system according to ISO 14001 standard; our safety management system according to ISO 45001 standard, which is integrated with the energy management system according to ISO 50001 standard – these activities demonstrate our dedication to environmental protection, and we consider them as a strong ground for further development. A major step in our development process is that our Company introduced, and in March 2017 certified the EMAS (Eco-Management and Audit Scheme) system, thanks to which we continue to improve our environmental performance and increase our environmental awareness.

We plan to modify and re-publish our environmental statement in case of major changes in the processes of our Company, which processes might affect our environmental performance, goals and environmental factors to a greater extent. Furthermore, our management team reviews our statement annually within the framework of our integrated management system, and if necessary, we make adjustments.

The **EMAS** system is supervised by **Mr. Ivan Katona, EHS Manager.** If you have any comments, please send them to <u>info@zoltek.hu</u>.

If you have any comments related to environmental issues and EMAS system, please call

Mr. Ivan Katona, EHS Manager on +36 (33) 536-000.

The anticipated date of our next updated environmental statement: March 2025.



3. Our Group and Company Policy

3.1. **Environment Protection**

The main activity of Zoltek Zrt. is the manufacture of high purity chemical fiber (Precursor fiber), and the further processing of the oxidized fiber (trade name: OX) and carbon fiber (trade name: PX) produced from precursor. By processing the previously mentioned fibers, we manufacture textiles, fabrics, yarns and threads. The products of our company are mainly used in the industry of renewable energies - more specifically in the production of wind turbine blades (wind power stations). As our products are used in "green" investments to a great extent, during their production, the enforcement of environmental regulations is of high priority.

Our company considers the preservation of natural resources, supervision and monitoring of environmental risks related to its activities as of high importance. We protect human health and the environment by handling the chemicals and chemical products properly and by organizing the production operations with great responsibility.

The main goal of our company is to protect the surrounding environment and to improve our environmental performance continuously. In order to reach this goal, we keep on searching newer and better - the best available - technologies, which decrease the environmental load during the production and processing of precursor, oxidized and carbon fiber. To the extent of our possibilities, we try to choose raw materials, auxiliary materials and energies (as natural resources), which charge the environment to a lesser extent or pollute the environment to a lesser extent.

3.2. **Customer-oriented Attitude**

The quality of our products is determined by the requirements of our customers. The delivery on time, competitive price, technical content and the related commercial services are also the part of the quality. Our goal is to achieve and maintain high customer satisfaction.

3.3. Involving Employees

The opinion of our employees is important for us, so we strive to involve our employees in the preparatory phase of our decisions. We provide trainings to improve and use the abilities of our Employees. These trainings are not only to reach employee satisfaction, but also to promote and improve the effective operation of our Company.

3.4. **Continuous Development**

We continuously and periodically review the production processes of precursor fiber, carbon fiber and oxidized fiber and also the processing of carbon fiber and we continuously look for opportunities to improve.



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4. Introduction to the Activities of our Company

The Magyar Viscosa was founded as a share company on 7 April 1941, with the capital stock of 9 million Pengo. The aim of the Company was to produce viscose rayon, viscose staple fiber and cellophane. Following the nationalization in March 1948, the Company was renamed to Magyar Viscosagyár. From 1 July 1993, the Company was transformed to a share company again as: Magyar Viscosa Rt.

The Company was privatized on 8 December 1995, the Magyar Viscosa Rt. became the Hungarian subsidiary of the St. Louis based (US) ZOLTEK Comp., Inc. Group. The new name of the Company was ZOLTEK Magyar Viscosa Rt., which was changed to ZOLTEK Vegyipari Részvénytársaság on 21 October 1997. From February 2006, the Company has been called Zoltek Vegyipari Zártkörűen Működő Részvénytársaság (Zoltek Zrt.).

In 2014, the Zoltek Companies Inc. was acquired by the Tokyo-based (Japan) Toray Industries.

The factory with more than 60 years of history was the center of chemical fiber production in Hungary for decades. They produced various synthetic fibers (polyacrylonitrile textile fibers, polyamide 6 filaments, viscose fibers) and chemical products (polyamide 6 granule, carboxymethylcellulose, plastic nets and grids). The product range of the Company was constantly transformed. The production of less advanced products was gradually ceased.

The privatization opened new perspectives for the Company. The new owner was one of the world's biggest carbon fiber manufacturers and he created a significant precursor and carbon fiber capacity in Nyergesújfalu, which had international significance. In 1996, the related development and investment works began.

The task of Zoltek Vegyipari Zrt. was to become the largest European carbon fiber manufacturer and to supply the American and the European market with carbon fiber, oxidized fiber and textile products.

The Company has five major production units:

- Precursor Plant,
- Carbon Fiber and Technical Fiber Plant,
- Pultrusion Plant,
- AVP (Advanced Value Products)
- and PPS Plant.

The product range of the Company has expanded steadily after the investments. It current capacity is 45 000 MT/year of precursor, 18 000 MT/year of carbon fiber, 7 500 MT/year of technical fiber, PPS technology 10 000 MT/year, KASSEN technology 2 000 MT/year while 10 000 MT/year of processed carbon fiber.

The expansion activities and construction works generated by the market needs, started in 2018, successfully completed.





4.1. Main products

Precursor Production Department:

Precursor tow: made from poly-acrylonitrile polymer fiber, filament quality: 1.5; 1.7; 2.2; 5.0 dtex, 50k continuous fiber what is raw material of carbon fiber production.

Carbon- and Technical Fiber Production Department:

Carbon fiber: poly-acrylonitrile base 50k continuous fiber, with different amount of sizing content, length: 1 500-3 000 m on papercore. Carbon content is 95%, high density, with good heat stability and chemical resistance.

Oxidized cable: poly-acrylonitrile base 300 oxidized fiber with different amount of sizing, in paper box for textile industry. carbon content: approximately 62%, good heat stability and chemical resistance.

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AVP Department:

Oxidized twisted yarn: made from oxidized fiber, with different filament content and quality.

Oxidized fabric: made from oxidized fiber, maximum wide is 2 000 mm, gross weight: 50-460g/m².

Oxidized staple fiber: crimped oxidized Ox Staple fiber, chopped to different size, packed in cardbox.

Chopped carbon fiber: chopped carbon fiber with sizing, packed in cardbox.

Carbon fiber fabric: Unique fiber spreading techniques enable a wide range of fabric weights and constructions for composite part applications, areal weight: 900-1 800g/m².

UD/MD fabric: Quick composite part build-up is cost effectively achieved with our cosmetically attractive carbon fiber fabrics. Applications include large Kassen composite tooling parts and aesthetically appealing finished composite components. Area weight: 150-900g/m².

Pultrusion Production Department

Pultruded profile: high stability, high modulus carbon fiber based composite profile.

Ox TextileImage: Constant legeOx StapleImage: Constant legeCF TextiImage: Constant legeChoppedImage: Constant legeKassenImage: Constant lege



PPS Granules:

PPS granules: Polyphenylene-sulfide raw resin is compounded with glass fiber and other additives in order to have PPS pellets with excellent heat resistance and mechanical properties.



4.2. <u>The main products and production equipment:</u>





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4.3. Introduction of the Plant



The town of Nyergesújfalu is situated in the northern part of Transdanubian Mountains, in Komárom-Esztergom County, in the subregion of Esztergom, on the right bank of the river Danube.

The large company seat of ZOLTEK Zrt., which has totally 616 741 m², is located in the northeastern part Nyergesújfalu, in the industrial zone along the southern coastline of Danube river.

In 2024, the solar power plant investment that has been planned for years will be completed. Our aim is to increase the share of renewables in our energy mix and reduce our vulnerability to energy price changes.

We chose the Zoltek site near the Danube dune as the location for the project, as the volume of the investment required a total of 4.9 hectares of land, which was not available in our internal area.

Our solar farm includes 11,500 panels, 200 tons of supporting structures and 70 km of wiring and is capable of generating 7.72 GWh of electricity per year, providing approximately 5% of our power demand. Our solar power plant is the largest east-west oriented power plant in Hungary generating on its own grid.



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5. The environmental policy of Zoltek Zrt.



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6. The Structure of the Integrated Management System

Our Company has introduced, certified and operates an Integrated Management System, which meets the requirements of ISO 14001 and ISO 45001 and ISO 50001 standards, and also the requirements of the European Parliament and Decree of the Committee No 1505/2017/EC on EMAS requirements. The integrated management system is made up of documentation, so the EMAS is built from the following documents:

6.1. The Policy of Integrated Management System (IMS)

The Toray Group issued a uniform EHS (Environmental, Health and Safety) policy for the Zoltek Companies within the Group. Taking into account this unified policy, the Zoltek Zrt. has defined an actual integrated management system as a part of the IMS, which complies with ISO 14001 and EMAS requirements, and also the ISO 45001 and ISO 50001 requirements.

6.2. Manual to Integrated Management System (IIRK)

It is the highest level of ZOLTEK Zrt. KIR (EMAS), MEBIR and EIR integrated management system documents, which contains the IMS policy and gives a concise introduction to the IMS. The Manual comprises all the related internal and external documents and records into a uniform system.

6.3. Processes of Integrated Management System (IIE)

Prescriptive written documents, which record the rules of activities, processes of integrated management, and appoint the persons in charge with the scope of authority and refer to the notes and databases used.

6.4. Work Instruction in the Integrated Management System (IIMU)

If the description of the activity would be too complicated in processes, the processes refer to the more detailed work instructions. The work instructions are such prescriptive written documents, which report the detailed and controlled steps of an activity.

6.5. <u>Technical Documents</u>

Documents relating to the organizational unit or specific areas required for the activities performed in the framework of IMS (technical specifications, inspection instructions, handling manuals, maintenance and user manuals, manuals required by law e.g. work safety, fire protection, chemicals handling, waste management etc.)

6.6. <u>Records, Databases (IIF)</u>

Documents of evidence. Registered objective proves of performed activities or achieved results (reports, analyses, protocols, records, evaluations etc.).



7. Organizational structure



8. Environmental facts and data

Preservation of natural resources and monitoring the environmental risks associated with our activities are high priority issues for our Company. We protect human health and the environment by handling the chemicals and chemical products properly, according to the rules and by organizing the manufacturing process with great responsibility.

In order to achieve and maintain customer, user, partner, public and employee satisfaction:

- we minimize the generation of waste and ensure the most efficient production by development of manufacturing operations,
- we meet all legal and environmental requirements that apply to Zoltek,
- we keep on developing the environmental awareness among our employees and we encourage them to work in the 'green' way, with the sense of responsibility,
- we pay attention to the economical use of materials and energy during production,
- we minimize the negative effects on the environment, within this we treat the resulting waste with special care and strive to recycle,
- we cooperate with the local authorities in order to solve the environmental problems of the town and the region,
- we pay particular attention to avoiding the usage of dangerous and harmful substances and products and where possible, we replace them with substitutes.



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8.1. <u>Waste management</u>

We manage and keep records of the waste generated during our Company's activities according to the legal requirements related to waste management. We regularly have the compliance assessment of non-hazardous industrial landfill waste prepared. Based on this assessment we manage the waste collection and waste treatment in our plants, and also the waste disposal. We fulfil our environmental product fee obligation and waste recovery obligation arising from the respective legislation in cooperation with the coordination bodies. We regularly report data to the National Tax and Customs Office – based on a central computerized registration system designed specifically for this purpose.

Waste handed over for disposal or recycling							
	Unit	2021	2022	2023	2024	Change 2023-2024 (%)	
Non-hazardous waste	kg	3 550 578	2 300 571	2 005 425	1 284 240	-36%	
Hazardous waste	kg	506 324	1 018 476	701 762	585 116	-17%	
Hazardous/non-hazardous	ratio	14%	44%	35%	46%	30%	
Total	kg	4 056 902	3 319 047	2 707 187	1 869 356	-31%	



Comments on validity:



Volume of waste per working hours						
	Unit	2021	2022	2023	2024	
Total waste	kg	4 056 902	3 319 047	2 707 187	1 869 356	
Working hours	hour	2 276 885	2 392 193	2 053 676	1 839 049	
Ratio	kg/hour	1,78	1,39	1,32	1,02	



Proportion of recyclable waste						
	Unit	2021	2022	2023	2024	
Total waste	kg	4 056 902	3 319 047	2 707 187	1 869 356	
Non recyclable waste	kg	2 426 274	1 442 881	977 822	549 921	
Before 2024 all recyclables From 2024 Recyclable but not recycled waste	kg	1 630 628	1 876 166	1 729 365	384 119	
Recycled waste	kg				935 316	
Proportion of recyclable waste	%	40%	57%	64%	70%	
Proportion of recycled waste	%	NA	NA	NA	63%	



Before 2024 there are not figures for the recycled share, monitoring and data collection of the recycle rate started from 2024

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8.2. **Energy consumption**

Both in our Company and in Toray Group, energy efficiency and sustainable energy supplies have been key areas for years. As a result to achieve these goals, we have developed and implemented numerous ideas to increase energy efficiency.

Total yearly consumption (electricity and natural gas) - MWh						
	2021	2024				
Gas	290387	303417	133647	181 331		
Power - purchased	301559	311408	132804	126 673		
Power - own	0	0	0	3 545		
Total	591 947	614 825	266 451	311 549		



Total yearly consumption per work hour						
	Unit	2021	2022	2023	2024	
Number of work hour	hour	2 276 885	2 392 193	2 053 676	1 839 049	
Total yearly consumption	kWh	301 559 219	311 408 255	132 803 712	126 673 635	
Total yearly consumption per work hour	kWh/hour	132,4	130,2	64,7	68,88	



Protection of Ambient Air 8.3.

Zoltek Zrt. has such point sources, which are monitored regularly and periodically, as the applicable legal regulations stipulate. We order the measurement of air pollutants by a certificated laboratory, based on the decision of the Inspectorate. The emissions are always below the threshold values.

Furthermore, we also implemented, developed a number of other measures recently, which resulted in lowering the emission of air pollutants.

Yearly stack measurement results in 2024				
	Environmental limits	Average over all stacks		
	[mg/m ³]			
Dimethylformamide	100	1,05		
Acrylonitrile	20	1,49		
Carbon monoxide	500	21,7		
Nitrogen oxides	500	197,8		
Ammonia	500	11,08		
Hydrogen cyanide	5	1,68		
Solid (dust)	150	5,39		
Sulfur-dioxide	35	2,8		

CO ₂ emission									
	Unit	2021	2022	2023	2024				
CO ₂	TON	58 126	61 262	27 213	26 787				
CO ₂ emission/employee	TON/employee	44,1	44,4	22,7	25,0				



8.4. <u>Protection of Water Quality</u>

In order to control the quality of the groundwater in the Company area, we have the sampling and testing of our three monitoring wells performed according to our testing program. The measurement results were in all cases satisfactory. Industrial water comes directly from river Danube, usage of the amount of raw water to produce desalinated and several quality of industrial water for technologies.

Amount of industrial wat	er				
	Unit	2021	2022	2023	2024
Usage of industrial water	m³	2 034 365	1 932 504	1 075 294	970 151
Ratio	m³/employee	1 545	1 400	898	907,5

We pass on the resulting industrial and municipal wastewater to Nyergesi Vízszolgáltató és Szennyvízkezelő Kft. (company) for wastewater treatment. The monitoring of the water quality is done according to Zoltek Zrt's "Self-monitoring Plan" approved by the Inspectorate. The monitoring of the treated wastewater, which is eventually flown into Parshall-channel is performed according to the Nyergesi Vízszolgáltató és Szennyvízkezelő Kft.'s approved "Self-monitoring Plan". The quality of the wastewater in the Parshall-channel is checked daily at selected sampling points for the following parameters: pH, COD_{Cr}, and ammonium-N; and weekly for the BOI5 parameter.

Treated waste water measurement results							
	Environmental limits	Latest measurement results (05.11.2024)	Average (2024)				
рН	6-9.5	7,61	7,66				
Toxicity (Daphnia)	8	0	0				
	[mg/l]						
Chemical oxygen demand	150	14	37				
5-day biochemical oxygen demand	50	5,6	15				
Total nitrogen	55	28,7	27,28				
Ammonia-nitrogen	20	3,08	4,64				
Total phosphorus	10	2,69	1,46				
Total inorganic nitrogen	50	25,1	23,25				
Organic solvent extract (e.g.: oils, greases)	10	1,4	2,75				

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8.5. **Biodiversity**

Environmental protection and the preservation of flora and fauna are of crucial importance in the Company's life. In order to increase the environmental awareness of our employees, we have quarterly lectures about the importance of protecting nature and by planting trees and plants we keep on increasing the size of natural areas. To continuous protect and develop the Company's flora the company employs gardeners.

Zoltek Zrt. area breakdown									
	Unit	2021	2022	2023	2024				
Total area	m^2	616 741	616 741	616 741	616 741				
Built-up area	m ²	130 431	130 431	131 290	131 290				
Useful floor-space	m ²	156 618	156 618	157 501	157 501				
Green area ratio	%	78,85%	78,85%	78,71%	78,71%				

Zoltek Zrt. planting (trees and plants) expenditures HUF mn						
2021	2022	2023	2024			
1,3	-	5,5	4,4			



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8.6. Safety equipment

While considering new investments in the area of Zoltek Zrt., the relevant environmental and safety regulations play a major role. In connection with the new investments, several official inspections took place, during which no deficiencies or non-conformities were found.

The Facility Fire Brigade is continuously developing. The Garage, Training Center, Training Room and Warehouse of the Facility Fire Department were handed over and new equipment and tools were purchased.

8.7. **Disaster drills, authority controls:**

The Directorate of the Komárom-Esztergom County Disaster Management annually reviews the compliance of our Company's Internal Emergency Plans by conducting an on-site drill and evaluation. Annually and most recently 17 Oct 2024 we had a coordinated drill of internal and external emergency plans. Thanks to our appropriate professional and technical preparedness, the disaster drills - in all cases - were successful and efficient.

8.8. Usage of chemical compounds, solvents and chemical raw materials

Zoltek Zrt. is operating with hazardous chemical compounds and mixtures, because of it Zoltek Zrt. takes care during this activity and organize the production procedures to eliminate the chance of an environmental accident and protect the community and it strives to recover solvents through developments.

Usage of hazardous chemicals as raw materials									
Unit 2021 2022 2023 2024									
Chemical compounds	TON	29 641	29 852	13 019	17 137				
Number of employees	Nr. of employees	1 317	1 380	1 197	1 070				
Ratio	TON/employee	22,5	21,6	10,9	16,0				



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9. Definition of Environmental Factors in the Integrated Management System

The method for assessing environmental factors has been revised. The previous 7 criteria have been retained, but the definitions of each criterion were modified, and the weighting of each criterion were changed

As in the risk analyses, the importance of each factor is assessed based on 7 criteria for each plant, namely:

Opera	tional factors	
a)	significance (severity; manageability) of the environmental impact caused by	40%
	the factor,	40 /0
b)	the frequency of the effect,	20%
c)	economic factor (cost of treatment to outcome ratio),	10%
d)	external image of the company,	5%
e)	internal image of the company,	5%
Non-op	perational factors	
f)	the likelihood and magnitude of the hazard in non-operational conditions	100/
	(start-up, shutdown, maintenance),	1070
g)	the probability of occurrence and the level of the impact.	10%

Each criterion can score between 0 and 5 points according to the following criteria:

A. Impact significance (severity, treatability)	
very serious impact is subject to legal regulation and cannot be met by the company	5
(regardless of frequency)	0
serious impact that is subject to legal regulation, the company can meet.	4
a less severe impact that is legally regulated and that the company can meet.	3
the environmental impact is manageable	2
non-severe, non-permanent effect	1
the environmental impact is negligible or cannot be measured	0
B. Frequency of impact	
constant continuous effect	5
a very common effect.	4
frequently occurring effect	3
rare effect	2
very rare effect	1
does not occur at all	0
C. Economic factor (treatment costs and outcome)	
high cost, requires major investment	5
significant costs, or even a small investment can yield results	4
ongoing costs should be expected	3
an opportunity cost should be charged	2
one-off minimum cost or personal expenditure only	1
no cost or economic income	0

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D. External perception of	the company				
the impact creates fear am	ong external stakeholders			5	
the impact creates a negat	ve image of the company amo	ng external stakeholde	ers	4	
the effect is to create a less	s negative image of the compar	y among external stal	keholders	3	
the effect is to focus the att	ention of external stakeholders	on the firm		2	
the impact on external stak	eholders is indifferent			1	
does not have a negative in	nage of the company			0	
E. Internal perception of	the company				
the impact creates fear am	ong internal stakeholders			5	
the impact creates a negative image of the company among internal stakeholders					
the effect is to create a less negative image of the company among internal stakeholders					
the effect is to focus internal stakeholders' attention on the firm					
the impact on internal stake	eholders is indifferent			1	
does not have a negative in	mage of the company			0	
F. Probability and magr	nitude of hazard in non-ope	erational mode /G. I	Probabilit	y and	
magnitude of hazard occ	urrence				
No Effect	0				
Probability	Impact significance (severity	y, treatability)			
	Low	Medium	Higl	h	
Low	1	2	3		
Medium	2	3	4		
High	3	4	5		

The assessment of impacts is structured as follows

Low	0	-	15
Medium	15	-	18
Significant	18	-	

We set specific targets to improve our environmental performance in relation to our significant environmental factors, and we set environmental management programs to achieve these targets, which we monitor continuously.

We constantly monitor and measure each environmental factor to accurately assess our company's environmental performance.

We pay particular attention to keeping up-to-date and complying with the environmental legislation applicable to the company.

We keep the compliance of the system under constant review and make changes where necessary to ensure that we continue to meet legal requirements, stakeholder expectations and our own objectives.

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10. Environmental factors

	Signi	fican	t impa	acts	N	NORMAL OPERATION				NOT OPERATI ONAL	HAVARI A	RES	SULT
Code	MAIN ACTIVITY	SUB Activity	IMPACT FACTORS	ENVIRONMENT AL IMPACT	A- Significan ce of impact	B-effect frequen cy	C- Econom ic factor	External image Company D	Internal image of the- Company	F	G	Risk quantificati on	Risk ranking
POL- 21	Polymerizati on	Reactor operation	energy use	use of natural resources	4	5	4	2	2	3	2	18,5	Significant
POL- 23	Polymerizati on	Stripping column operation	energy use (steam)	use of natural resources	4	5	4	2	2	3	2	18,5	Significant
MAV 1-28	Washing- stretching, fibre treatment	taxidermy	Pre- emergent pre-treatment solution	generation of wastewater	3	5	4	2	4	4	3	18	Significant
MAV 2-3- 28	Washing- stretcher	taxidermy	Pre- emergent pre-treatment solution	generation of wastewater	3	5	4	2	4	4	3	18	Significant
CF- 10	Oxidation	oxidation of precursor fibre	air pollutants /HCN/ released (during combustion)	workplace air pollution, emissions	5	5	3	4	4	2	1	20	Significant
CF- 19	LT/HT furnace managemen t	fibre heat treatment	air pollutants /HCN/ released (during combustion)	air pollution at work	5	5	3	4	4	2	1	20	Significant
TF-10	Oxidation	oxidation of precursor fibre	air pollutants /HCN/ released (during combustion)	air pollution at work	5	5	3	4	4	2	1	20	Significant
PULT -13	Waxing bath	resin dosing, bath use	resin	environmental air pollution	4	5	3	4	3	2	2	18,25	Significant

Comments on validity:



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11. Comprehensive Environmental Targets and Programs

Target	Area	No.	Environmental Program	Target Value	Year of Completion	Status
		HU01	Extended communication about the topic of waste management (trainings, events)	-	Continuous	100%
1. WASTE MANAGEMENT	GENERAL	HU17	Weighbridge commissioning	-	2024	90%
		HU19	Increasing the recycling of by-products	-	2024	70%
	PPS	HU13	Environmental noise reduction using a noise reducer	-	2024	50%
	Water plant	HU15	Upgrade of industrial water pumps	-	2024	85%
	GENERAL	EN01	Extended communication about the topic of energy efficiency (trainings, events)	-	Continuous	100%
		EN09	Recovery by installing pressure rollers (CF)	-30%	2024	50%
	Carbon Fiber -	EN30	Installation of heat recovery ventilation (CF)	22,6 GWh/y	2025	10%
	Technical Fiber	EN31	Heat utilization of flue gas from carbonization (CF)		2024	100%
		EN33	Installation of heat recovery ventilation (TF)		2024	Postponed
2 ENERGY	December	EN34	Installation of heat recovery ventilation	-	2025	15%
2. ENERGY	Precursor	EN32	Technological waste heat recovery	-	2024	100%
	Power	EN22	Increase the usage of renewable energies (purchasing green energy – using renewable energy /solar panels/)	6600kW	2024	100%
	Cooling Engine room	EN23	Automatization upgrade, optimizing the plant condition	-1%	2024	90%
	Cooling towers	Perse EN36 Automatization upgrade, optimizing the plant condition		-1%	2025	50%
	Office Building	EN29	Facade insulation	-	2025	Postponed
	GENERAL	EN22	Increase the usage of renewable energies (purchasing green energy – using renewable energy /solar panels/)	-	Continuous	100%
PROTECTION	Precursor	EN23	Automatization upgrade, optimizing the plant condition	-70%	2024	100%
	Water plant	VI04	Installation of water meters			85%
4. AIR	Carbon Fiber -	EN35	II. cooling plant heat utilization	-	2024	Cancelled
PROTECTION	Technical Fiber	LE04	Decrease of NOx release at the CF plant RTO chimneys	-	2024	80%
		TE01	Increasing environmental awareness by lectures	Quarterly	Continuous	100%
5. NATURE PROTECTION	GENERAL	TE02	Planting trees and flowers	-	2024	100%
		TE03	Installation of artificial swallow nests	-	2024	100%
6. HANDLING		VI03	Reduction of pollutants in technological washing water entering the wastewater treatment plant	-	Continuous	100%
MATERIALS	GENERAL	VA07	Replacing hazardous chemicals with less hazardous ones (PU)	-	2024	100%
7. ENVIRONMENT		KR04	Working out the ecological performance profile of production areas, building up a motivation system	-	Continuous	100%
AL MANAGEMENT SYSTEM	GENERAL	KR05	Increasing environmental awareness by lectures	Quarterly	Continuous	100%

Before applying the printed version, check whether there isn't any updated version online.



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12. Compliance with Legal Regulations Related to Environmental Protection

Compliance with the legal regulations is treated as a matter of high priority. The changes in regulations are monitored and we have documented procedures prepared, as a part of IMS. We publish these procedures to raise awareness of legal or other requirements.

We have the compliance of implementation regularly checked during environmental audits and during the monthly executive-level plant patrols. We continually evaluate our experiences and intervene if necessary.

Since the introduction of the Integrated Management System, which includes the ISO 14001 system and the EMAS, we have not received any reprimand or no fines were imposed during the inspection of the environmental authorities.

The actual and updated environmental regulations related to Zoltek Zrt. are listed.

13. Trainings and communication

Our Company supports open and clear communication with all its partners in order to introduce our chemical company, its environmental performance and continuous development in the best possible way and also to make it possible for the partners to express their opinion on a topic.

For this purpose, we published our environmental statement on our Company's website, so it is accessible for everybody. As a part of IMS, we have worked out and maintained an IMS procedure to set the methods communication with the stakeholders, and by which means the handling and filing of these documents are precisely controlled and uniformly treated.

In addition, we pay special attention to any complaints about the environmental performance of our Company. Until the closure of this statement we did not receive any complaints.

In addition to external communication, the internal communication, training and competence are important parts of our communication strategy. In order to maintain competence and qualification, we have introduced and maintained a procedure – as a part of IMS – to measure and develop the competence of our employees. Based on the result of measurements we draw up and conduct our training plans.

It is an important aspect to involve our employees in the continuous improvement of the EMAS – and our environmental performance.

Everybody has the possibility to submit an idea on the "idea-sheet". The evaluation of these idea-sheets is regulated in a separate manual.

14. Trademark Usage

Zoltek Zrt. uses the EMAS trademark in internal and external documents, prospects and promotional materials in compliance with the EMAS requirements.



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15. Certifying Statement