

<i>Principal:</i>	<i>Investor/Applicant</i>	<i>Approved for release:</i>
Mignen Sp. z o. o. ul. Chrobrego 15 67-300 Szprotawa	Mignen Sp. z o. o. ul. Chrobrego 15 67-300 Szprotawa	
		<i>Date:</i>
		05/12/2023
<i>Name of the document:</i>		
<b>SUMMARY IN NON-SPECIALIZED LANGUAGE OF THE INFORMATION CONTAINED IN THE REPORT, FOR EACH ELEMENT OF THE REPORT</b>		
<i>Name of the project:</i>		
<b>Installation for cataphoretic coating of aluminum and steel parts with accompanying infrastructure at the Mignen Spółka z o. o. plant in Szprotawa</b>		
<i>Investment location:</i>		
Plots no. 280/162, 280/163, 280/164, 280/165, Wiechlice district, commune. Szprotawa, Żagań County		
<i>Prepared by:</i>	<i>Approved for release:</i>	
EKO-PROJEKT Sp. z o. o. S. k. ul. Grochowska 19/1 60-277 Poznań	Marek Benedykciński	
	<i>Date:</i>	
	05/12/2023	

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Mignen Sp. z o. o. ul. Chrobrego 15 67-300 Szprotawa	Plots no. 280/162, 280/163, 280/164, 280/165 Wiechlice district, commune Szprotawa, Żagań County	EKO-PROJEKT Sp. z o. o. Sp. k. www.eko-projekt.com	Decision on environmental conditions	

Report item	summary
Subject of investment	Installation for cataphoretic coating of aluminum and steel parts with accompanying infrastructure at the Mignen Spółka z o. o. plant in Szprotawa.
Investment location	Plots no. 280/162, 280/163, 280/164, 280/165, Wiechlice district, commune. Szprotawa, Żagań County
Applicant	Mignen Sp. z o. o. ul. Chrobrego 15 67-300 Szprotawa
Type of project	A project that may always have a significant impact on the environment. A project that may potentially have a significant impact on the environment
<b>Description of the planned project</b>	
Characteristics of the whole projects and conditions of land use during the construction and operation or use phase, including: with regard to areas of particular flood risk	<p>The planned project is an installation for cataphoretic coating of aluminum and steel parts with accompanying infrastructure at the Mignen Spółka z o. o. plant in Szprotawa.</p> <p>The construction of the plant in which this project is planned is being carried out in accordance with the decisions of the Mayor of Szprotawa on environmental conditions: decision of February 2, 2023, ref. no.: ROŚ.6220.44.2022, and decision of August 10, 2022, ref. no.: ROŚ.6220.21.2022 and received building permits.</p> <p>However, the building in which the industrial sewage treatment plant will be constructed will be constructed on the basis of a separate building permit, for which the investor will apply to the competent authority immediately after obtaining the decision on environmental conditions for this project and the water law permit for the construction of the sewage treatment plant. The sewage treatment plant building (Building D) will be a single-story building with an area of 1,376 m<sup>2</sup> without foundations and deep excavations during its implementation.</p> <p>The ED cataphoretic painting process line, as an installation of machines and devices constituting a technical and operational whole, will be used for cataphoretic coating of products made of steel and aluminum in the production process of the Mignen Spółka z o. o. plant in Szprotawa. Cataphoresis is a technique of applying paint coatings using the phenomenon of electrophoresis. The technological process is a combination of chemical processing processes and the impact of an electric field. Cataphoresis technology is used to protect and color any galvanized surfaces and metals, such as: steel, stainless steel, aluminum, bronze, brass, magnesium, or cast iron. Coatings obtained using this technology reach even extremely hard-to-reach places and are extremely uniform.</p> <p>The final product manufactured by the Company's production plant will be a casing - a chassis plate for electric passenger car batteries, i.e. the place in the chassis where the battery constituting the battery of the electric vehicle is installed.</p> <p>The main part of the process and technological installation in the electrophoretic coating line are technological baths, also called tanks or pools.</p> <p>ED process tanks are understood as steel tank bodies along with the structure and substructure regardless of the species and the type of material used for production, constituting the technological whole for work in production-related processes of impregnation produced from steel and aluminum in previous processes. The total volume of the process tanks of the electrophoretic lines will be <math>V = 1612 \text{ m}^3</math>.</p>

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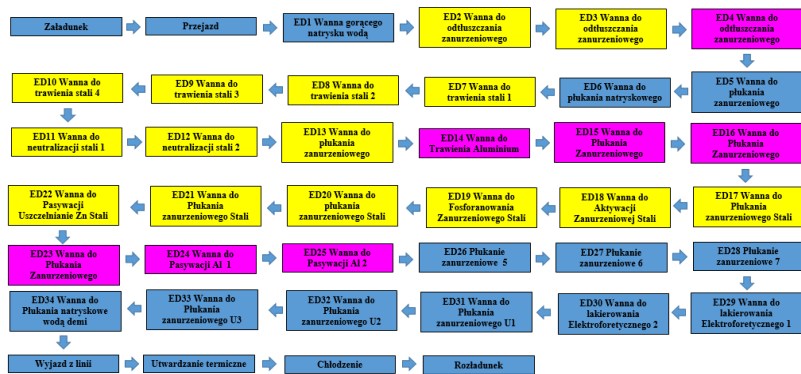
	<p>The following installations will be installed as part of the planned project:</p> <ul style="list-style-type: none"> <li>– ED cataphoretic painting process line, as an installation of machines and devices: <ul style="list-style-type: none"> <li>• Preparation stations for surface treatment,</li> <li>• Surface treatment stations,</li> <li>• Process tanks (tanks) – the main part of the installation,</li> <li>• Drying room,</li> <li>• Thermosetting station,</li> </ul> </li> <li>– Auxiliary installations: <ul style="list-style-type: none"> <li>• Quality control station,</li> <li>• Process water pumping station,</li> <li>• Boilers for heating process water (process boiler room),</li> <li>• Chilled water production system, cooling and treatment of process water,</li> <li>• Demineralized water preparation station,</li> <li>• Gas purification unit with carbon filter,</li> <li>• Exhaust gas treatment unit with drying chamber (RTO),</li> <li>• Sewage treatment station,</li> <li>• Power generator (emergency).</li> </ul> </li> </ul> <p>The maximum production capacity of the surface treatment and electrophoretic coating lines is 1,300 m<sup>2</sup>/h.</p>
The surroundings of the planned investment	<p>The immediate vicinity of the property includes:</p> <ul style="list-style-type: none"> <li>- from the north - grassy vegetation, forest,</li> <li>- on the western side - grassy vegetation,</li> <li>- from the eastern side - grassy vegetation, municipal road,</li> <li>- from the south - grassy vegetation, area for the airport road, municipal road.</li> </ul> <p>The planned project is located outside the area at risk of flooding.</p> <p>The implementation of the planned project does not contradict the provisions of the local development plan.</p>
Conditions of land use during the construction phase	<p>The investment area is located in the area of the post-Soviet airport. The area is currently unused, undeveloped and undeveloped. Construction works are currently underway on the construction of the plant based on building permit No. 299/2022 of August 16, 2022, reference: ROŚiB-B.6740.327.2022, which was transferred to Mignen Sp. z o. o. z/s in Szprotawa by decision of September 13, 2022, reference number: ROŚ.6220.34.2022.</p> <p>The investment areas are land devoid of tall vegetation and shrubs - the investment will not require cutting down any greenery. The project is not located in an ecologically sensitive area. There are no trees in the vicinity of the investment site that would require protection during the investment implementation stage.</p>
Characteristic projects (land use conditions in the exploitation phase)	<p>In connection with the launch and implementation of the process, the following operations and activities will take place on the electrophoresis line:</p> <ul style="list-style-type: none"> <li>– preparation for surface treatment - manual activities related to loading and assembly of parts subject to surface treatment onto the line, i.e. hanging these parts on assembly hangers, on which the parts subject to processing are later transported;</li> <li>– surface treatment of details before electrophoretic coating – degreasing, pickling, neutralization, surface regulation, phosphating and passivation or pickling and passivation of aluminum details – chemical processes provided by Chemetall Polska Sp. z o. o. – (36 process bathtubs in the arrangement described below),</li> <li>– electrophoretic coating – chemical process provided by BASF Polska Sp. z o. o. (mainly emulsion used in impregnation baths),</li> <li>– drying electrophoretic coatings,</li> </ul>

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- thermosetting of electrophoretic coatings by heating in an oven.

The maximum production capacity of the surface treatment and electrophoretic coating lines is 1,300 m<sup>2</sup>/h.  
It is assumed that the line's operating time will be 6,912 hours per year (288 working days per year, 24 hours a day in a four-brigade mode). There will be 2 downtime periods per year: 1 week in winter and 2 weeks in summer.  
During downtime, the entire process and technological line will be subject to thorough cleaning, maintenance, and, if necessary, ongoing repairs.

The cathaphoretic painting line is capable of processing both steel and aluminum parts. Products made of these metals are partly processed in the same baths and partly in separate baths specifically selected in such a way that they correspond to the characteristic properties of these metals. The principle of how the process takes place is explained in a block diagram divided into individual operations for both details, and the selection of the appropriate bath is made by the control program automatically in the main controller of the process line.



All tank bodies (process bathtubs) will have a frame structure made of structural steel. Depending on the area, the frame is lined with stainless or acid-resistant steel plates. The liquid level in the bathtubs will be maintained automatically. The tank body will be equipped with an overflow level sensor, which will ensure that the liquid in the tank does not overflow outside.  
Chemical reagents will be processed quantitatively using a pump

in an automated system. Sewage generated periodically or continuously, depending on the condition of the tank, will be directed through separated collective installations to the appropriate tank in the sewage neutralization device through the sewage treatment system. Vapors and fumes from above the bathtubs will be removed through an appropriate process hood. Coatings applied to both steel and aluminum details require drying and firing to harden. For this purpose, an appropriate technological furnace powered by mains gas was used. The exhaust gases emitted by the furnace are sent to the air stream cleaning installation in the RTO afterburner for the so-called post-combustion of exhaust gases and organic pollutants, and then discharged into the atmosphere in a fume hood to the degree of purity required by regulations. The total operation time is 60 minutes.

The following processes will take place in auxiliary installations:

- paint quality control,

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	<ul style="list-style-type: none"> <li>- heating process water,</li> <li>- process water pumping station with its aeration process,</li> <li>- cooling of chilled water in cooling towers,</li> <li>- purification and preparation of process water (water treatment for technological purposes),</li> <li>- preparation of demineralized (deionized) water,</li> <li>- purification of exhaust gases using an activated carbon filter in a thermosetting chamber of electrophoretic coatings,</li> <li>- purification of exhaust gases from the drying chamber unit (RTO),</li> <li>- the process of purifying industrial wastewater produced in the cataphoresis process.</li> </ul> <p>In the production process of electrophoretic coating lines, industrial wastewater is mainly generated from:</p> <ol style="list-style-type: none"> <li>1) Surface treatment preparation process sections of the electrophoretic coating line,</li> <li>2) Sections of the electrophoretic coating process using water-based emulsion coatings.</li> </ol> <p>Each type of waste liquid is introduced into separate tanks, and from these tanks the above-mentioned. sewage is transferred to a sewage treatment process tank individual for each type of sewage. The maximum capacity of the sewage treatment plant is 50 m<sup>3</sup>/h.</p> <p>The technology and installation systems for wastewater treatment are divided into: the primary degreasing wastewater system (1), the phosphating wastewater system (2), the electrophoretic coating wastewater system (3), the passivation wastewater system (4) and the complex wastewater treatment system ( 5).</p>
Main features characteristic ventures	<p>The planned project is an installation for cataphoretic coating of aluminum and steel parts with accompanying infrastructure at the Mignen Spółka z o. o. plant in Szprotawa.</p> <p>The construction of the plant in which this project is planned is being carried out in accordance with the decisions of the Mayor of Szprotawa on environmental conditions: decision of February 2, 2023, ref. no.: ROŚ.6220.44.2022, and decision of August 10, 2022, ref. no.: ROŚ .6220.21.2022 and received building permits.</p> <p>However, the building in which the industrial sewage treatment plant will be constructed will be constructed on the basis of a separate building permit, for which the investor will apply to the competent authority immediately after obtaining the decision on environmental conditions for this project and the water law permit for the construction of the sewage treatment plant. The sewage treatment plant building (Building D) will be a single-story building with an area of 1376 m<sup>2</sup> without foundations and deep excavations during its implementation.</p> <p>Cataphoresis is a technique of applying paint coatings using the phenomenon of electrophoresis. The technological process is a combination of chemical processing processes and the impact of an electric field.</p> <p>Cataphoresis technology is used to protect and color any galvanized surfaces and metals, such as: steel, stainless steel, aluminum, bronze, brass, magnesium, or cast iron. Coatings obtained using this technology reach even extremely hard-to-reach places and are extremely uniform. The substrates obtained thanks to this technology emphasize and maintain the quality of the surface, have high hardness, and provide excellent mechanical and chemical protection for the substrate material.</p> <p>As part of the main line for the cataphoresis process, 36 process tanks (tanks/ pools) will be assembled in which the process will take place. The total volume of the process tanks of the electrophoretic lines will be V = 1612 m<sup>3</sup>.</p>

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	<p>Surface treatment of details before electrophoretic coating will consist of degreasing, pickling, neutralization, surface regulation, phosphating and passivation or pickling and passivation of aluminum details - chemical processes provided by Chemetall Polska Sp. z o. o. Electrophoretic coating is a chemical process provided by BASF Polska Sp. z o. o. (mainly emulsion used in impregnation baths). The cataphoretic painting line is capable of processing both steel and aluminum parts. Products made of these metals are partly processed in the same baths and partly in separate baths specifically selected in such a way that they correspond to the characteristic properties of these metals.</p> <p>The maximum production capacity of the surface treatment and electrophoretic coating lines is 1,300 m<sup>2</sup>/h.</p> <p>The installed infrastructure and technological supporting infrastructure will include, among others: from: technological boilers for heating process water, demineralized water production technology, cooling units, cooling towers and chilled water production technology, emergency diesel generator, exhaust gas purification unit with an activated carbon filter for the drying process and thermosetting of the electrophoretic emulsion, gas purification unit (RTO) - the so-called exhaust gas thermal afterburner for furnace and post-process industrial sewage treatment plant.</p>
Consumption of utilities and raw materials	During the construction and operation phase, electricity, water, natural gas, compressed air and chemicals used in the cataphoretic process and wastewater treatment will be used.
Expected types and amounts of emissions, including waste, resulting from the operation of the planned project	<p>The implementation, operation and liquidation of the project will involve the emission of air pollutants, noise, waste and sewage. Their main source will be mainly means of transport and emissions related to human existence.</p> <p>Due to the nature and scale of the project, each stage of the investment process will result in emissions of substances and/or energy into the environment, i.e. emissions of pollutants into the air, production of waste, sewage, and noise emissions.</p>
Information about biodiversity and the use of natural resources, including soil, water and land surface	<p>The planned investment will not reduce the number of species in the area in question and its vicinity. In relation with therefore, the possibility of significant negative impacts on biodiversity within the requested area should be excluded.</p> <p>The vegetation cover and its structure have been transformed, and the area has no particular natural values.</p>
Demolition works relating to projects that may have a significant impact on the environment	The project does not involve demolition of buildings. The planned installation will be installed in the plant currently under construction.
The risk of major accidents or natural and construction disasters assessed on the basis of scientific knowledge, taking into account the substances used and used technology, including risks related to climate change	<p>The planned project does not belong to plants with an increased risk of a serious industrial accident.</p> <p>The buildings will be subject to periodic operational inspections, which will be documented in the building's books. The occurrence of a construction disaster under normal conditions of facility operation is practically impossible.</p> <p>Taking into account the type, scale, location of the project and activities aimed at maintaining the investment in good condition, climate change is not expected to significantly affect the durability of the project. The investment is sufficiently protected against ongoing climate change.</p>
<b>Description of the natural elements of the environment included in the scope of the expected impact of the planned project on the environment</b>	
Geographic conditions, geological	The investment is located within the Bory Dolnośląskie mesoregion. According to the detailed geological map of Poland, sheet 649 under construction

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	geologically, there are: fluvial-glacial sands and gravels (of the Bóbr alluvial fan).
Environmental elements protected under the Act of 16 April 2004 on nature conservation and ecological corridors within the meaning of this Act	The closest Natura 2000 areas include: - Małomickie Łęgi PLH080046 - Buczyzna Szprotawsko-Piotrowicka PLH080007 Analyzing the scope of the planned project and the actions planned to be taken to minimize all emissions and impact on individual elements of the environment, it is not expected that the plant will have a negative impact on protected areas, including Natura 2000 areas.
Conditions for using the waters of the water region. Influence projects for environmental purposes in the Plan Water Management	The planned project is located in the Oder basin, the Middle Oder water region. The planned investment is located within the water body: - underground PLGW600077 - surface RW60001116499 – Szprotawa from Chocianowska Woda to Bóbr  Taking into account the scale, scope and location of the project, it was found that the implementation of the investment cannot result in the failure to achieve the environmental goals specified in the Water Management Plan.
Inventory results natural science, which is understood as a set of field studies carried out for the purpose of characterizing elements of the environment natural sciences, if carried out, along with a description of the methodology used	As part of the preparation of the report on the impact of the investment on the environment, no natural inventory was conducted for the investment in question. The project will be located inside the plant currently under construction, and its implementation does not involve cutting down trees and shrubs. The plant is located in an anthropogenically transformed area.
Other data on the basis of which the description of natural elements was made	The description of natural elements was prepared on the basis of publicly available data.
Description of monuments existing in the vicinity or in the immediate range of impact of the planned project, protected under regulations on the protection and care of monuments	The analyzed project is located in an area where there are no immovable monuments or archaeological sites. The analyzed plots are not covered by any form of conservation protection.
Description of the landscape in which the project is to be located located	The approximate elevation of the research area is approximately 126 m above sea level The landscape is dominated by grassy vegetation and a few trees.
Information on connections with other projects, in particular the accumulation of impacts of projects being implemented, completed or planned for which a decision on environmental conditions located in the area where the project is planned to be implemented and in the area of impact of the project or whose impacts fall within the area of impact planned project -	The construction of the plant in which this project is planned, consisting in the installation of a cataphoretic coating installation and auxiliary installations, is being carried out in accordance with the decisions of the Mayor of Szprotawa regarding environmental conditions: - decision of February 2, 2023, reference number: ROŚ.6220.44.2022, and - decision of August 10, 2022, reference number: ROŚ.6220.21.2022 and the received construction permits. In the vicinity of the investment area (within 100 m from the project area) there are investments for which decisions on environmental conditions have been issued: - plot no. 280/216, Wiechlice district - TECHNONICOL membrane production plant, - plot no. 280/191, 280/181, 280/190, 280/189, 280/188, 280/187, 280/186, 280/141, 280/176, 280/177, 280/184, 280/ 179, 280/180, 280/183, 280/178, 280/185 district 0017 Wiechlice - a complex of production, warehouse and service buildings.

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to the extent that their impacts may lead to cumulative impacts with the planned project	The cumulative impact of the planned investment on the plant where the project will be implemented and on plants within the impact range of the proposed project is presented in the report in Chapter 9.
Description of expected environmental impacts if not undertaken project, taking into account available information about environment and knowledge scientific	If the project were not undertaken, the area where the project is planned would remain in its current manner of use.  Not undertaking the project is unjustified both in ecological and economic terms.
Description of variants including specific features the project or its impact together with justification for their choice	The following two variants were considered. - The first variant is to implement the investment in the currently planned location and technology. It will result in rational use of the analyzed area and will not deteriorate the current environmental condition there - use of natural gas or LPG/LNG/CNG for heating purposes - The second variant considered is the technological variant involving the use of fuel oil for heating purposes. Based on the conducted analyses, it was concluded that due to the impact of the investment on individual elements of the environment, the implementation of the planned investment is the most justified variant.
<b>Determining the expected impact of the analyzed variants on the environment, including in the event of a major industrial accident and a natural and construction disaster, on the climate, including greenhouse gas emissions and impacts important from the point of view of adaptation to climate change, as well as possible cross-border impact on the environment</b>	
Impact of the investment on the land surface and soil	During construction works, the investor implementing the project will take into account environmental protection in the work area, in particular the protection of soil, greenery, natural terrain and water conditions. In addition, constant control of the equipment and the construction site will be ensured and places that may pose a possible threat will be neutralized. As a result of the implementation of the project, no mining or other works aimed at transforming the earth's surface or soil erosion will be carried out. The implementation and operation of the project will therefore have little impact on the earth's surface. Possible liquidation of the plant will involve dismantling technical equipment which, due to its technical condition, will be further used or scrapped, as well as demolition works.
Impact on water surface and underground	Taking into account the safeguards used (e.g. hardening and sealing of the surface, pre-treatment of rainwater or meltwater, selective storage of waste in designated places), there will be no negative impact on the environment.
Water and sewage management	It is assumed that during the works at the implementation and liquidation stages, water will be consumed and domestic sewage will be produced. The amount of this sewage will constitute 100% of the water abstracted for social purposes. It is assumed that approximately 1.5 m will be created during construction and at the liquidation stage domestic sewage during the day. This sewage will be stored in temporary tight tanks (TOI-TOI toilets) and then transported to the municipal sewage treatment plant. Water will be drawn for domestic and industrial purposes from the water supply network in accordance with the connection conditions. Domestic and industrial sewage will be discharged into the municipal sewage system through the connection for which the Investor has obtained connection conditions. Rainwater and meltwater from the plant area will be discharged into the municipal stormwater sewage system (DN1000 storm sewer) through the existing canal retention and retention tank.
Impact on the environment (including people) in terms of atmospheric air	The implementation of the investment may require short-term storage and movement of certain amounts of materials. Therefore, secondary emissions of suspended and falling dust may occur, related to the so-called



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	<p>wind erosion. Secondary emissions depend on the prevailing weather conditions and intensify after longer periods without rain. Moreover, the source of fugitive dust emissions will be the movement of earth masses. The mentioned nuisances will be short-lived, and the impact of the works at the implementation stage on the atmospheric air will be limited to a small zone around the facility under construction, without posing a noticeable threat to local residents. Therefore, it should be assumed that the construction stage will not cause permanent negative changes in the atmosphere. Similar impacts may occur at the stage of liquidation of the project.</p> <p>The plant operation stage, in accordance with the decision on environmental conditions of February 2, 2023, ref. no.: ROŚ.6220.44.2022, will involve unorganized and organized emissions. The source of fugitive emissions will be the combustion of fuels in vehicles driving in open areas. The source of the organized broadcast will be:</p> <ul style="list-style-type: none"> <li>- energetic gas combustion for heating and hot water production,</li> <li>- burning of liquid fuel during periodic inspections of fire pumps</li> <li>- the process of applying binder (glues),</li> <li>- washing process/washing the surface of products and raw materials with an organic solvent,</li> <li>- cooling using cooling oil in the pressing process,</li> <li>- welding process,</li> <li>- soldering process.</li> </ul> <p>The planned facility will be heated using gas boilers powered by high-methane natural gas.</p> <p>In connection with the operation of the electrophoresis installation, the following operations and activities will be sources of substance emissions into the air:</p> <ul style="list-style-type: none"> <li>- surface treatment of details before electrophoretic coating - degreasing, pickling, neutralization, surface adjustment, phosphating and passivation or pickling and passivation of aluminum details,</li> <li>- electrophoretic coating,</li> <li>- drying and thermosetting of electrophoretic coatings.</li> </ul> <p>The analysis of the impact on atmospheric air showed that the emission will not exceed the permissible values and will not change the air quality in the vicinity of the planned investment.</p>
Impact on the environment (including people) in terms of acoustic impact	<p>At the implementation stage, acoustic emission related to the works carried out will be insignificant from the point of view of the impact on noise-protected areas and its impact on the cumulative impact of the entire plant. The acoustic climate in the investment area is the result of the acoustic nuisance generated by all devices functionally related to the project in question. According to the design assumptions, with the application of the described noise emission limiting measures, the operation of the investment will not be a source of excessive noise emission into the environment. To sum up, there are no objective grounds to refuse to conduct the planned activity within the proposed scope and technological variant for noise protection reasons.</p>
Waste management	<p>During the implementation of the investment, waste typical of assembly and construction works will be generated (groups 15, 16, 17). Municipal waste will also be generated in the area during the implementation of the investment - 20/03/01 – Unsegregated (mixed) municipal waste in the amount of approx. 3 Mg/ phase of project implementation. A place for temporary waste storage will be designated on the construction site.</p> <p>During operation, waste will be generated as a result of the operation of the cataphoretic painting line and installations with auxiliary functions (both hazardous and non-hazardous waste). According to the research carried out, there will be emissions of waste mainly from groups 07, 08, 11, 13, 15 and 16 in the investment area.</p> <p>Waste will be stored selectively, in bins/containers placed at the place where non-hazardous waste is stored. Types and amounts of waste generated during the operation of the analyzed facility</p>

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Investor	Investment location:	Documentation contractor:	Stage:	
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	<p>project and the adopted method of storing and transferring them to recipients do not pose a threat to the environment or human health and life.</p> <p>Waste will be transferred to authorized entities. In the case of activities related to the demolition of the facility in question, significant amounts of typical construction waste, ferrous metals, plastics and used technical infrastructure waste are expected to be generated. A place for temporary waste storage will be designated on the construction site. This place will be marked and waste will be collected selectively in containers. Hazardous waste will be stored in a tight container on a hardened surface. Analyzing waste management in connection with the implementation of the investment at each stage, it does not anticipate any negative impact on the environment in this aspect.</p>
Impact on plants, animals, fungi and natural habitats, forms of nature protection, including the objectives and subject of protection of Natura 2000 areas and the continuity of ecological corridors connecting them	<p>The planned project is located outside the boundaries of areas covered by forms of nature protection referred to in Article 6(1)(1). 1-5, 8 and 9 of the Act of 16 April 2004 on nature conservation and beyond the limits of the forms of protection referred to in Art. 6 section 1 point 1-3 of this Act.</p> <p>The investment in the phases of creation, operation and liquidation will not affect plants, animals, fungi and natural habitats.</p>
Impact on landscape and cultural landscape	<p>Visual changes causing landscape changes will not cover the entire area at the same time, but will be implemented successively, which allows to limit the visual scope of the impact. The planned project fits into the functions and landscape of this area.</p> <p>Due to the nature of the analyzed area, works related to the liquidation of the project will not affect the landscape.</p>
Impact in the field of electromagnetic fields	There will be no impact on electromagnetic fields as part of the planned project.
Climate impact	Based on the environmental impact assessment carried out in terms of air emissions as part of the planned project, it can be concluded that the impact of the investment on the climate will be negligible.
Impact on monuments	There are no monuments in the area of the planned project or its vicinity, so the impact of the investment on this aspect of the environment is not expected.
Interconnectedness between individual environmental impacts	Based on the analysis of connections between individual impacts, it can be concluded that the impact of the investment on individual environmental components is small.
Protection of the interests of third parties	The investment implemented in accordance with the assumptions adopted in the report, based on relevant administrative decisions and legal provisions, will not violate the interests of third parties.
Possibility of cross-border impact of the planned investment	Due to the distance from the state border, there will be no cross-border impact. The impact of the planned investment on individual elements of the environment will be limited to the area covered by the investment.
Possibility of occurrence serious industrial accident	The investment will not constitute a plant with an increased or high risk of an industrial failure, so such a failure will not occur.
Justification of the variant proposed by the applicant	<p>When assessing the impact of the project implementation on human health and life, the key part of the assessment is the impact resulting from: the impact of noise and dust and gas pollutants introduced into the atmospheric air, electromagnetic impact, impact on material goods and the possibility of social conflicts, impact on groundwater, including protection water supply to the population. The operation of the investment will not result in excessive acoustic impact on people.</p> <p>The calculations of the emission of gaseous and dust pollutants into the air prove that the selected investment implementation variant will not have a negative impact on air quality.</p> <p>The planned investment will not generate electromagnetic fields. Proper waste management, i.e. appropriate</p>

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	<p>waste storage and waste segregation create conditions in which the impact on the environment is limited to a minimum.</p> <p>Any type of activity must take into account the emission of waste, but it is important to store it properly and transfer it to authorized entities, which will be the case with the planned project. Wastewater will be generated in the area of the installation. Sewage will be directed to the city sewage network.</p> <p>The technological solution used guarantees minimization of the amount of wastewater generated and its appropriate management.</p> <p>The operation of the investment in question will not be a source of excessive emissions of pollutants into the environment, therefore the impact of the project on the climate is not expected.</p> <p>The solutions used in the plant guarantee the adaptation of the installation to the changing climate. Such rules of conduct will prevent the possibility of natural or construction cadastre.</p> <p>Due to the location of the planned project and the fact that the impact will be limited to the investment area, no cross-border impact of the planned project is expected.</p>
<p>Description of forecasting methods used by applicant and description expected significant impacts of the planned project on the environment, including direct, indirect, secondary,</p> <p>cumulative, short, medium and long term, permanent and temporary impacts on the environment resulting from the existence of the project, use of environmental resources, emissions</p>	<p>Downforecasting used specialized software computer technology to calculate air and noise emissions, legal standards, information from the Applicant and the experience of the report's authors were used.</p>
<p>Description of the planned activities aimed at preventing or limiting negative impacts on the environment, aimed at avoiding, preventing, limiting or compensating for negative impacts on the environment, in particular on the forms of nature protection referred to in Art. 6 section 1 of the Act of 16 April 2004 on nature conservation, including the purposes and subject of protection</p> <p>Natura 2000 area, and the continuity of ecological corridors connecting them, along with an assessment of their effectiveness at the stages of implementation, operation and liquidation of the project, respectively</p>	<p>Technical and organizational solutions will be used to protect the environment, such as: proper organization of works and construction facilities, taking actions to limit secondary dust resulting from the movement of vehicles and construction machines (e.g. sprinkling transport roads), implementing protection against contamination of groundwater due to potential emergency situation.</p> <p>Moreover, during the operation phase of the investment, monitoring is proposed, which will consist primarily in periodic checking of the technical condition and tightness of technical devices, which determine, among others, no penetration of polluting substances into the soil and water environment. Protective devices (filters, RTO device) will be used.</p>
<p>Comparison of the technology used as part of the planned investment with the technology referred to in Art. 143 of the Environmental Protection Law</p>	<p>The technology used in the project in question will meet the requirements for the best available technologies - BAT (Best Available Techniques) specified for a given type of activity in the reference documents.</p>

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Referring to environmental objectives resulting from strategic documents important from the point of view of implementing the project	The implementation of the planned project does not contradict the environmental objectives resulting from the strategic documents.
Indication whether for planned project, it is necessary to establish a restricted area use referred to in the Act of 27 April 2001 - Environmental Protection Law, and determining the boundaries of such an area, restrictions in terms of land use and technical requirements for facilities construction and methods using them	<p>It is not necessary to establish a limited use area for the planned project.</p> <p>A restricted use area is created for a sewage treatment plant, a municipal waste landfill, a composting plant, a communication route, an airport, a power line and station, and a radiocommunication, radionavigation and radar installation if quality standards cannot be met despite the use of available technical, technological and organizational solutions. environment.</p> <p>The analysis carried out for the purposes of preparing this report on the environmental impact of the project shows that the nuisance of the facility is limited to the properties covered by the investment.</p>
Analysis of possible social conflicts related to the planned project	<p>At the current stage of the administrative procedure for obtaining a decision on environmental conditions for the planned project, the Applicant does not anticipate the occurrence of social conflicts, taking into account the scale, scope and location of the planned project.</p> <p>In the opinion of the authors of this study, compliance with the presented basic principles of communication and mediation in the event of any social objection to the planned Investment will ensure that the Investor and the social side will develop solutions and decisions acceptable to all parties involved.</p>
Presenting a proposal for monitoring the impact of the planned project at the stage of its construction i exploitation or use, in particular the forms of nature protection referred to in Art. 6 section 1 of the Act of 16 April 2004 on nature conservation, including the purposes and subject of protection of the Natura 2000 area, and the continuity of ecological corridors connecting them, as well as information on available results of other monitoring that may be important for determining responsibilities in this regard	<p>Monitoring of environmental impacts at the construction stage will be based on the works manager's ongoing control and supervision of the work performed in accordance with environmental protection and occupational health and safety regulations.</p> <p>At the operational stage, monitoring of impacts will consist in periodic technical inspections of water and sewage devices, visual inspection of hardened surfaces, inspection of waste storage places, with particular emphasis on hazardous waste, compliance with waste segregation and verification of the amount of mixed waste generated, inspections of devices, maintaining all mechanical devices in high technical efficiency through service services.</p>
Indication of difficulties resulting from technical deficiencies or gaps in contemporary knowledge that have been encountered, preparing the report	While development report NO encountered on difficulties, making it impossible to fully assess the impact of the planned project on the environment.