



Aquaresins Technologies A
quaresins

Resinproduction
and development



Resins Industry

Industry
Industrial applications



Resins Agro

Agro
Agricultural applications

CO₂ progress report and energy action plan

Aquaresins Technologies Group (Coyandan B.V.) 1

January 2022 to 31 December 2022

Table of Contents

1. Introduction	3
2. Basic data	4
2.1. Description of the organization	4
2.2. Assignees	4
2.3. Reference year	4
2.4. Reporting period	5
2.5. Verification	5
3. Demarcation	6
3.1. Organisational boundaries	6
3.2. Change of organization	7
3.3. CO2 award projects	7
4. Calculation method	8
4.1. Current calculation method and conversion factors	8
4.2. Changes to calculation method	8
4.3. Exclusions	8
4.4. Absorption of CO2	8
4.5. Biomass	8
4.6. Uncertainties	8
5. CO2 emissions	10
5.1. CO2 footprint base year	10
5.2. CO2 footprint reporting period	10
5.3. Size business category	11
5.4. Trend over the years by category	11
5.5. Objectives	11
5.6. Progress of reduction measures	12
5.6.1. Measures by status	12
5.7. Employee contribution	20
6. Initiatives	20

1. Introduction

Aquaresins Technologies Group(Coyandan B.V.) has been committed to sustainability for years and has chosen to introduce the CO₂ performance ladder in addition to the existing ISO 14001 system. This gives concrete form to the ambitions of the Aquaresins Technologies Group to achieve its goal in the field of sustainability.

The preparation of the periodic reporting is part of the control cycle within the energy management system that has been introduced in the context of the CO₂performance ladder. This control cycle is described in the document "2.C.2 Description of control cycle CO₂ management system".

This periodic report has been prepared by theCO₂ manager and describes all matters as described in §9.3.1 points a to t from NEN-EN-ISO 14064-1:2018. The following aspects of ISO 14064-1 are at least described in this report:

Description of the organization (a), Responsible persons (b), Reporting period (c), Organisational limits (d), Current calculation method and conversion factors (f, m, n, o, r, t), Inclusion of CO₂ (g, h), Biomass (f, g), Direct and indirect emissions (i, j), Reference year (k, l), Changes in calculation method (k,), Exclusions (h), Recalculation of base year and historical data (j,k), Uncertainties (p) and Verification (s).

2. Basic information

2.1. Description of the organization

Aquaresins Technologies Group is a group of companies based in the Netherlands. We have been producing and developing high-quality resin products since 1984. Our head office is located in Druten, the Netherlands. We have our own laboratory and development facility. These are specifically aimed at the development and quality control of resins and rigid foams.

The product can be used in many different applications: the base resin is mixed with our harder and forms a very hard and solid composition. Then it is mixed with soil and this becomes a very strong, composite-like material.

Some resins are foamed for agricultural applications. The foam is very lightweight with a high water absorption. A perfect growing medium for all types of plants.

We also have resin for industrial applications. This has a strong cell structure and makes it possible to lift sagged floors or to fill and strengthen very large hollow spaces.

Our latest type of resin can be used as cavity wall insulation. This is a lightweight, water-repellent and breathable material with a high insulation value.

The company in Druten is located in 3 halls:

Building	Address	GFA m2	Volume in m3
Hall 1	Nijverheidsweg 17a	580	4.350
Hall 2	Nijverheidsweg 17b	580	4.350
Hall 3	Nijverheidsweg 16	1.890	11.625

2.2. Responsibilities

Name	Persons
Aquaresins Technologies Group (Coyandan B.V.)	<i>Ultimate responsible party:</i> Yannick Mol <i>Responsible control cycle (KAM):</i> Karin Simon <i>Emission inventory contact person:</i> Karin Simon
Verheijen Resins Beheer B.V.	
Aquaresins Technologies BV	
Aqua Resins Technologies B.V.	
Rctd Resins B.V.	
Resins Agro B.V.	
Resins Industry B.V.	

2.3. Reference year

Name	Default Reference Year
Aquaresins Technologies Group (Coyandan B.V.)	2021
Verheijen Resins Beheer B.V.	2021
Aquaresins Technologies BV	2021
Aqua Resins Technologies B.V.	2021
Rctd Resins B.V.	2021

Name	Default Reference Year
Resins Agro B.V.	2021
Resins Industry B.V.	2021

2.4. Reporting period

1 January, 2022 to 31 December 2022,

2.5. Verification

The footprint is not verified by an external authority because it is no longer mandatory under the new applicable guidelines.

However, the SmartTrackers application is used to prevent calculation errors and the chance of an incorrect display is very limited given the limited number of entries.

It also offers the opportunity to conduct a good trend study over the years in relation to objectives and measures taken.

3. Demarcation

3.1. Organizational Boundaries

Before a company is certified, it is important that the company determines what the company has certified. The boundaries and size of the organization are leading in this regard. The 'organizational boundary' of a company determines the ladder assessment. This boundary must be chosen in such a way that there are no C-providers among the A-providers. To meet this requirement, there are basically two methods available: The 'GHG Protocol method' and the so-called 'lateral method'. Aquaresins Technologies Group uses the 'GHG Protocol method'.

This method is in accordance with the GHG Protocol (A Corporate Accounting and Reporting Standard, Chapter 3 'Setting organizational boundaries'). The method works top-down and is sufficient. With this method, companies can apply the 'equity share', the 'financial control' or the 'operational control' approach. Aquaresins Technologies Group has opted for the 'operational control' method. This means that only entities are included in the scope where Aquaresins Technologies Group can carry out control of the daily activities of the company.

The certificate has been applied for at holding level, and all operating companies below it are included on the certificate. Because all B.V.'s are on the certificate, no A/C analysis has been carried out (See example 1 of the document: SKAO Examples Organizational Boundary Harmonization Day 20111012).

Aquaresins Technologies Group is a holding company with operating companies:

Name	Description	Degree of consolidation
Aquaresins Technologieën Group (Coyandan B.V.) Legal entity <i>Sector (SBI):</i> 64.20 <i>Chamber of Commerce or project number:</i> 11046133	Financial Holding Company	
Verheijen Resins Beheer B.V. Legal entity <i>Sector (SBI):</i> 68.20 <i>Chamber of Commerce or project number:</i> 10038279	Rental and operation of owned or leased property	100%
Aquaresins Technologieën BV Legal entity <i>Sector (SBI):</i> 20.16 <i>Chamber of Commerce or project number:</i> 11044671	Producing and processing resin products, developing production methods in the field of resin processing, advice and guidance of projects in which resin applications are possible or used.	100%
Aqua Resins Technologieën B.V. Legal entity <i>Sector (SBI):</i> 20.16 <i>Chamber of Commerce or project number:</i> 11056236	Aqua Resins Technologies specializes in the production and development of Resin products. These are marketed as end products under various brand names.	100%

Name	Description	Degree of consolidation
Rctd Resins B.V. Legal entity Sector (SBI): 71.12 and 72.19.1 Chamber of Commerce or project number: 11045646	Activities in the field of agro-horti applications, including advisory and research activities, consultancy, training and development activities.	100%
Resins Agro B.V. Legal entity Sector (SBI): 20.16 Chamber of Commerce or project number: 10042419	Resins Agro produces growing media for professional gardeners, civil projects and private gardens. Resins Agro's substrates and rigid foams are made from a special water-based resin.	100%
Resins Industry B.V. Legal entity Sector (SBI): 20.16 Chamber of Commerce or project number: 11069543	Resins Industry specializes in filling hollow spaces with our special developed rigid foam. The rigid foam is characterized by its very light weight and very high compressive strength.	100%

3.2. Change of organization

There have been no organizational changes in this reporting period.

No comments found

3.3. CO₂ award projects

No projects with award advantage have occurred in the reporting period.

4. Calculation method

4.1. Actual calculation method and conversion factors

This periodic report has been drawn up on the basis of the regulations of the CO₂ performance ladder in accordance with manual 3.1.

The emission factors were determined based on the [website CO₂ emissiefactoren.nl](https://www.c02emissiefactoren.nl), with the SKAO amendment list considered leading.

4.2. Changes to the calculation method

No comments found

4.3. Exclusions

Refrigerants that may be released from air conditioners and cars are not included in this footprint. The reason for this is that the additional CO₂ emissions are very low.

4.4. Absorption of CO₂

There is no specific uptake of CO within the business processes.

4.5. Biomass

Biomass is not used.

4.6. Uncertainties

Notes on gauges

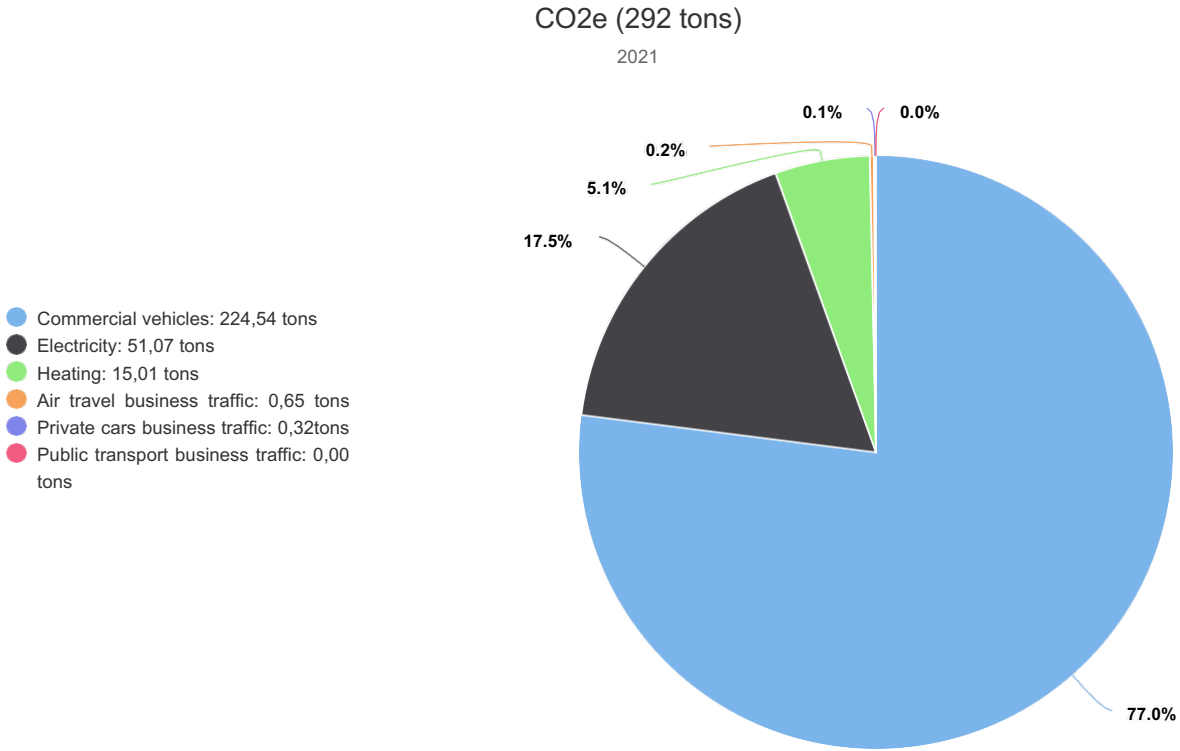
On	Contents	Period	Author	Created
Legal entity Aquaresins Technologies BV Group (Coyandan B.V.) → Meter Business Driven miles with private cars	All declared km from the financial administration. Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 20:29
Legal entity Aquaresins Technologies BV Group (Coyandan B.V.) → Meter air travel > 2500 km	Data on fly km has been obtained by flights from get the financial records and estimate the km based on indicated airports (website estimate https://www.vliegtijden24.nl/). Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 20:29
Legal entity Aquaresins Technologies BV Group (Coyandan B.V.) → Meter Diesel consumption trucks and vans	No specified overview is available to be able to divide diesel consumption between business transport and the compressors. Purchasing data was used for the fuels. This provides a reliable estimate of the amount of has been consumed. Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 20:36
Legal entity Aquaresins Technologies BV Group (Coyandan B.V.) → Meter Ferry	Data on km of public transport ferry are obtained by crossings from the financial administration and estimate the km based on indicated ports (estimate from website https://ferrygogo.com/). Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 20:28

On	Contents	Period	Author	Created
Legal entity Aquaresins Technologies BV	No emission factor can be found for Adblue on www.co2emissiefactoren.nl . The impact of Adblue is low, consumption is not high. Decided is a common factor that multiple companies use. By doing so this consumption is used in a fair and comparable manner included. Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 18:37
Group (Coyandan B.V.) → Meter Adblue consumption trucks				
Legal entity Aqua Aqua Resins Technologies B.V. → Meter Electricity consumption gray Nijverheidsweg 17 B (hall 2)	The electricity consumption is determined on the basis of the electricity meters from the supplier. Assumption may be that these meters give a reliable picture of the electricity consumed. Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 20:24
Legal entity Aqua Aqua Resins Technologies B.V. → Meter Natural Gas Consumption Nijverheidsweg 17 B (hall 2)	The gas consumption is determined on the basis of the gas meter of the supplier. It can be assumed that these meter gives a reliable picture of the consumed gas. The consumption is then corrected with the calorific correction of the annual statement. Uncertainties	from 1 January 2021	Wendy Meijer Schaake	11 April 2023 18:38

5. CO₂ emissions

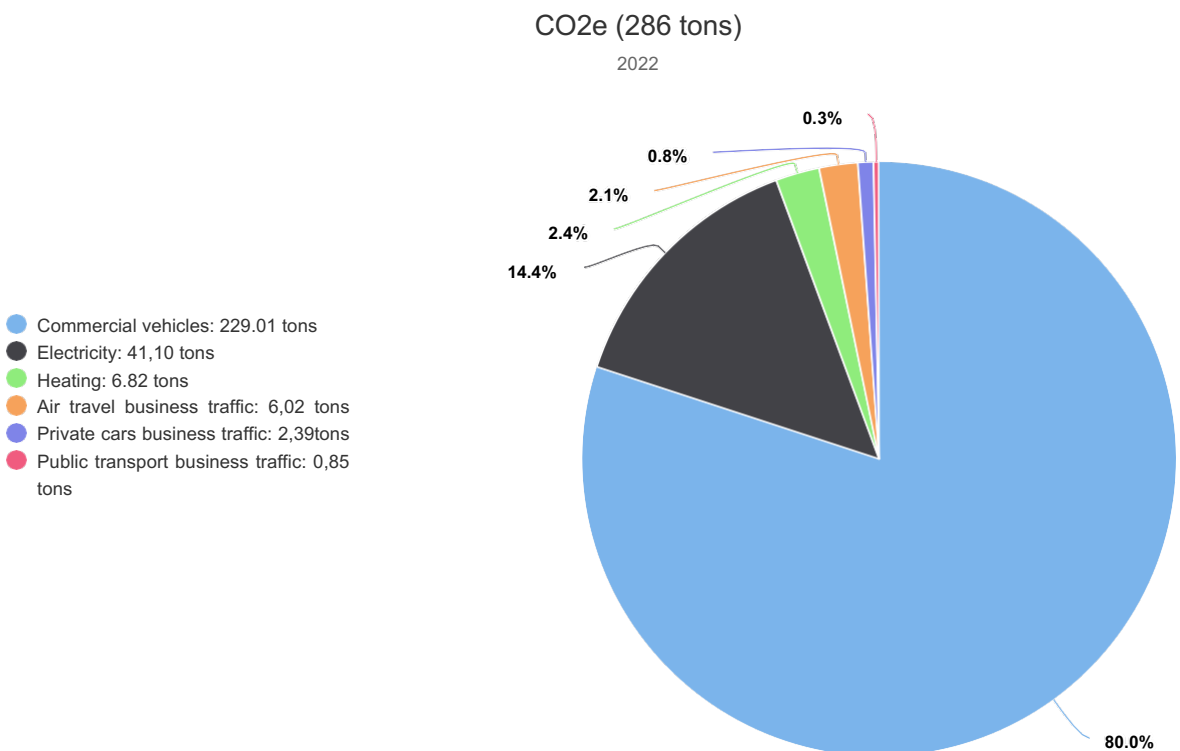
5.1. CO₂ footprint base year

N.B. scope 1 and 2 incl. business traffic



5.2. CO₂ footprint reporting period

N.B. scope 1 and 2 incl. business traffic



5.3. Business Category Size

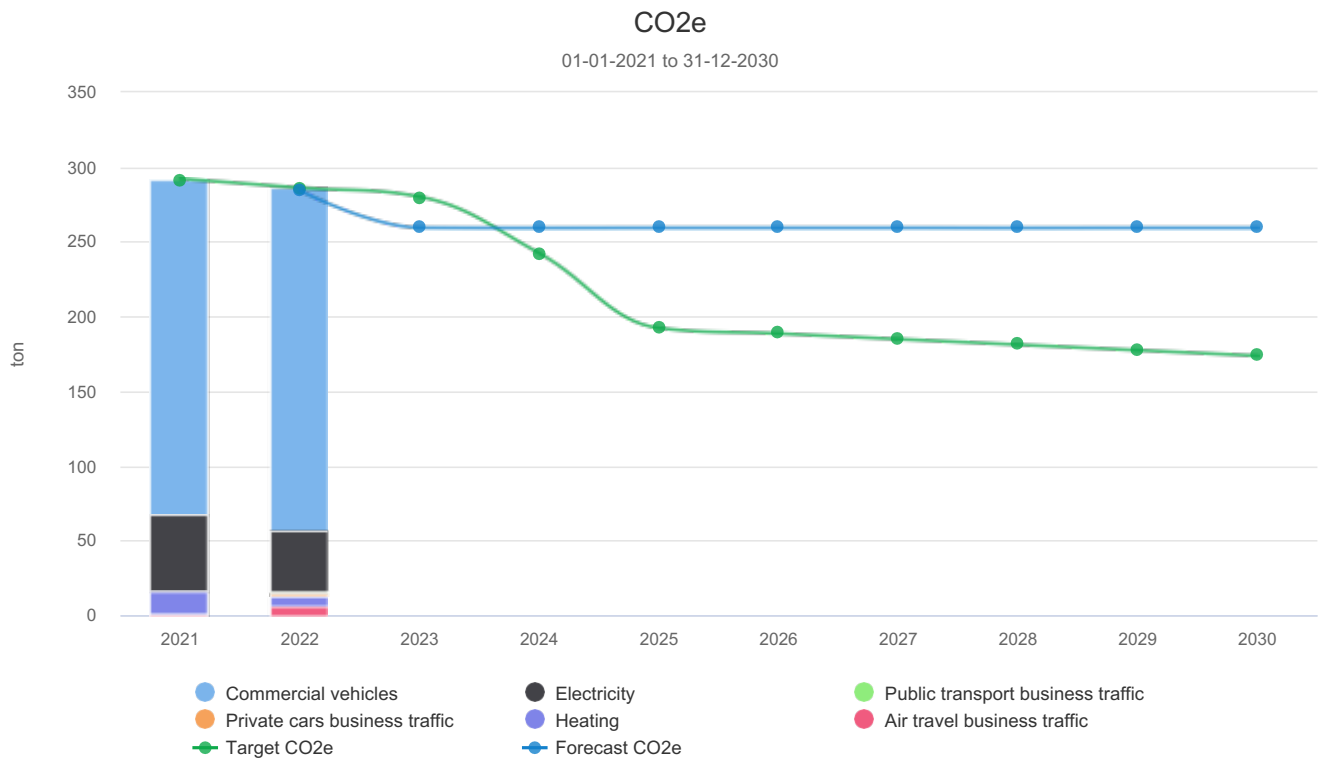
Coyandan B.V. is a *SMALL COMPANY*

Small business: Total CO₂emissions from the offices and business premises are up to (≤) 500 tons per year **and** the total CO₂emissions from all construction sites and production sites are up to (≤) 2,000 tons per year.

Year	Scope 1	Scope 2 incl. business traffic	Total
2021	239,55	52,27	291,82
2022	235,82	54,76	290,58

5.4. Trend over the years by category

N.B. scope 1 and 2 incl. business traffic

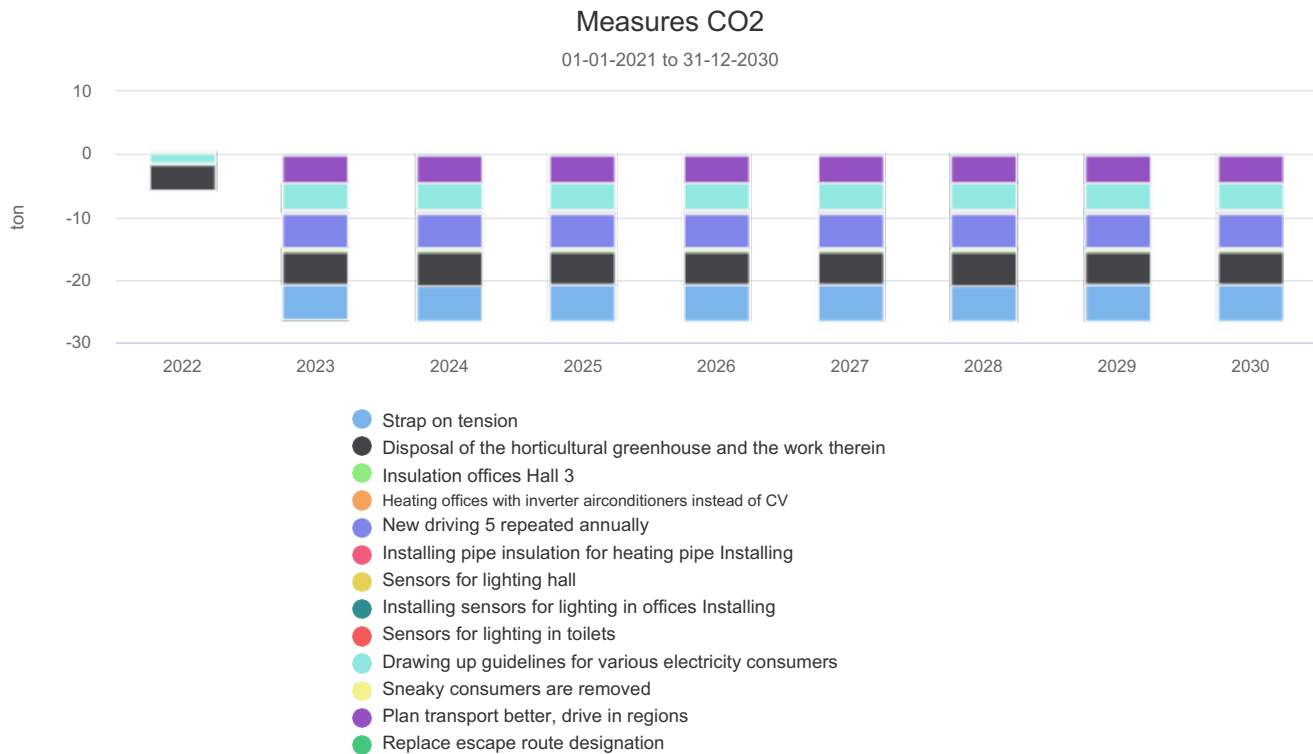


5.5. Objectives

Objective CO₂e per turnover Legal entity Aquaresins Technologies Group (Coyandan B.V.)

For year	Base year	Scope 1	Scope 2
2023	2021	-5%	
2024	2021	-10%	-50%
2025	2021	-10%	-100%
2030	2021	-40%	-100%

5.6. Progress of reduction measures



5.6.1. Measures by status

Start time is report start date.

Installing pipe insulation for heating pipe (Approved)

Savings Hall 2

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€600
Simple payback period	2 years and 9 months

Effects

Meters	Type	Effect start on	Effect
Aqua Resins Technologies B.V. / Natural gas consumption Nijverheidsweg 17 B (hall 2)	Absolutely	01-11-2022	-110 m ³

Draw up guidelines for various electricity consumers (Approved)

EEP 2022-2025 measure.

Guidelines will be drawn up for the running/operating times of electricity consumers for various activities. This will have to be monitored/monitored manually by employees. This is mainly about awareness. This leads to kWh savings in Hall 1 and Hall 2.

Draft guideline for operating times of agitators
Draft guideline for operating times of fans
Draft guideline for drum heating

Draft guideline for gas scrubber
 Draft guideline for the use of air conditioners (incl. reduction in consumption due to relocation)
 Draft guideline for compressor

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€ 0
Easy payback time	0 seconds

Effects

Meters	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 17 A (hall 1)	Absolute	01/09/2022	-2.218 kWh
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolute	01/09/2022	-6.356 kWh

Installation of sensors for lighting on toilets (Approved)

EEP 2022-2025 measure.
 Savings in Hall 1 and Hall 2.

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€210
Simple payback period	2 years and 3 months

Effects

Meters	Type	Effect start on	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption Absolute gray Nijverheidsweg 17 A (hall 1)	Absolutely	01-10-2022	-225 kWh
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolutely	01-10-2022	-225 kWh

Installation of sensors for lighting in offices (Approved)

EEP 2022-2025 measure.
 Savings in Hall 1 and Hall 2.

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€192
Simple payback period	1 year and 7 months

Effects

Meters	Type	Effect start on	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption Absolute gray Nijverheidsweg 17 A (hall 1)	Absolutely	01-10-2022	-225 kWh
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolutely	01-10-2022	-225 kWh

Installation of sensors for lighting hall (Approved)

EEP 2022-2025 measure.

Savings in Hall 1, Hall 2 and Hall 3

Effect on Hall 3 is a rough estimate because little was known about this when the plan was drawn up.

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€795
Simple payback period	15 years and 6 months

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption Absolute gray Nijverheidsweg 17 A (hall 1)	Absolutely	01-01-2023	-114 kWh
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolutely	01-01-2023	-76 kWh
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)	Absolutely	01-01-2023	-50 kWh

Sneaky consumers are removed (Approved)

EEP 2022-2025 measure.

Savings in Hall 1 and Hall 2.

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€ 0
Easy payback time	0 seconds

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption Absolute gray Nijverheidsweg 17 A (hall 1)	Absolutely	01-10-2022	-100 kWh
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolutely	01-10-2022	-100 kWh

Replacing Escape Route Indication (Approved)

EEP 2022-2025 measure.

Savings in Hall 1, Hall 2 and Hall 3

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€400
Simple payback period	4 years and 5 months

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)	Absolutely	01-01-2023	-143 kWh
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption Absolute gray Nijverheidsweg 17 A (hall 1)	Absolutely	01-01-2023	-143 kWh
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolutely	01-01-2023	-143 kWh

Replacing central heating systems for reactor boilers with heat pumps (In preparation)

Replacement of the gas-fired central heating systems for reactor boilers by heat pumps.

The producer states that they cannot say what the savings in natural gas can be, nor do they answer the question; what is the efficiency trend of the old central heating boilers in order to arrive at a substantiated analysis in order to make a decision to replace the old boilers. More research is needed.

It is possible to replace the central heating systems with heat pumps.

In order to calculate how much energy costs can be saved when you exchange your gas-fired central heating boiler for an electric heat pump, it must first be determined how much heat the central heating boiler provides in kWh for heating and hot water. This is how it works: $3.072 \text{ m}^3 \text{ of gas} \times 9.27 \text{ kWh}^* = 28.477 \text{ kWh}$.

If you replace your central heating boiler with a heat pump with a (very feasible) efficiency of 480% (COP = 4,8), then supplying the same amount of heat requires $28.477 / 4.8 = 5.933 \text{ kWh}$ of electricity.

(source: <https://aardgasvrij.nibenl.eu/werking/hoeveel-elektriciteit-verbraucht-een-warmtepomp>)

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Absolutely	01-01-2024	5.933 kWh
Aqua Resins Technologies B.V. / Natural gas consumption Nijverheidsweg 17 B (hall 2)	Absolutely	01-01-2024	-3.072 m ³

Disposal of the horticultural greenhouse and the work therein (Approved)

In order to be able to determine real consumption, the consumption of Hall 3 will be cumulated with the consumption of

Halls 1 and 2 for the first 6 months of 2022

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 17 (greenhouses)	Relative to: 2021	01-01-2022 01-01-2023	-70% -100%

Repeat new driving 5 yearly (Approved)

Responsible	Yannick Mol
Registrar	Karin Simon
Investment	€2,000
Simple payback period	9 months

Effects

Meters	Type	Effect start on	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans	Relative to: 2022	01-01-2023	-2,5%
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans Benefil			

Ceiling insulation in workshop Hall 3 (In preparation)

In hall 3 there is a separate room for the workshop. People are regularly at work here and there is air conditioning for heating and cooling. The space is not yet isolated.

There are no data on consumption in the workshop, air conditioning has been sporadically in operation in the winter. It will be checked whether it is financially sound in terms of investment versus savings.

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)	Relative to: 2022	01-01-2024	-2%

Tire pressurized (Approved)

Make employees aware that they are making sure that tires are on tension. For all trucks and large equipment, the tire pressure is checked at least annually.

We ask all employees to check the tire pressure of vehicles at least every 3 months and to bring it to the correct pressure. We are going to purchase a special compressor for this.

Responsible	Yannick Mol
-------------	-------------

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Petrol consumption passengercars	Relative to: 2022	01-01-2023	-2,5%
Aquaresins Technologies Group (Coyandan B.V.) / Gasoline consumption passenger cars Benefil			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption passenger cars			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption passenger cars Benefil			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans Benefil			

Installing solar panels on the roof of Hall 3 (In preparation)

It is possible to generate some of the energy required via solar panels. There have also been discussions with suppliers, but at the moment the available techniques are either not applicable or do not yield a positive business case. Another factor is the fact that the solar panels should be mounted on a bitumen substrate, which is more than 20 years old. It must therefore be taken into account that at some point the bitumen base layer must be replaced, a roof that is full of solar panels is then not desirable. Also, due to the construction of the building, 2 halls separated by a fire wall that also runs through the roof, there are restrictions with regard to the installation of solar panels.

At the end of 2021, number 16 (Hall 3) was purchased, in addition to the current buildings. There is a metal roof covering on this roof. This would offer the possibility of installing solar panels on them in the future, but this has yet to be investigated further.

Responsible	Yannick Mol
-------------	-------------

Registrar	Karin Simon
-----------	-------------

Effects

Gauges	Type	Effect Start On	Effect
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Relative to: 2022	01-01-2025	-100%
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)			
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 17 A (hall 1)			
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 17 (greenhouses)			

Insulation offices Hall 3 (Approved)

Insulation of roof and walls of the offices in hall 3 on the first floor.

Responsible	Yannick Mol
Registrar	Karin Simon

Gauges	Type	Effect start on	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)	Relative to: 2022	01-03-2023	-5%

When purchasing new tires, choose energy label A or B (In preparation)

When replacing tires, this will be considered. However, the financial side will also be clearly taken into account. How much it saves and how much these tires cost extra.

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Petrol consumption passengercars	Relative to: 2022	01-01-2024	-7.5%
Aquaresins Technologies Group (Coyandan B.V.) / Gasoline consumption passenger cars Benefil			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption passenger cars			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption passenger cars Benefil			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans			
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption / Diesel consumption trucks and vans Benefil			

Passenger cars electric driving (In preparation)

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)	Absolutely	01-01-2025	8.350 kWh
Aquaresins Technologies Group (Coyandan B.V.) / Fuel consumption passenger cars Benefil	Absolutely	01-01-2025	-3.340 liters

Heating offices with inverter air conditioners instead of central heating (Approved)

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
--------	------	-----------------	--------

Meters	Type	Effect start on	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Natural gas consumption Nijverheidsweg 17 A (hall 1)	Relative to: 2021	01-01-2022	-100%
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)	Absolutely	01-01-2022	4,500 kWh

Purchasing green electricity (In preparation)

Please note, purchased green electricity must meet the following criteria:

1. For this flow, 'guarantees of origin' (GVOS) can be submitted that are issued by CertiQ (during production or import), registered and written off (when delivered to a customer) within the framework of the Electricity Act.
2. The specific source(s) of the green electricity consumed (wind, water, solar or biomass) can be demonstrated.
3. As far as the country of origin is concerned, it can be shown that the electricity was generated in the Netherlands

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aqua Resins Technologies B.V. / Electricity consumption gray Nijverheidsweg 17 B (hall 2)	Relative to: 2022	01-01-2024	-100%
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 16 (hall 3)			
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 17 A (hall 1)			
Aquaresins Technologies Group (Coyandan B.V.) / Electricity consumption gray Nijverheidsweg 17 (greenhouses)			

HVO diesel 10% pilot (In preparation)

HVO stands for Hydrotreated Vegetable Oil, it is a 100% sustainable, renewable synthetic diesel.

HVO fuel is a synthetic diesel made from waste and residual flows. This makes it a direct replacement for fossil diesel oil that can be used without modifications to vehicles. According to the supplier, this can result in huge savings in CO2 emissions, up to even 100%. According to the supplier, the 100 percent reduction in CO2 emissions is achieved when looking at the 'well to wheel' chain. HVO comes from finished frying fat and animal fats, but it can also be made from wood pulp. Due to the high purity, according to the supplier, there is no risk of bacteria or flocculation in the tank as occurs with biodiesel. One advantage is that, according to the supplier, HVO can be mixed freely with fossil diesel oil. For example, there are various blends with a part of HVO and a part of fossil diesel.

Modifications to the vehicles are not necessary, and most truck factories have now released HVO as fuel. For example, the latest generation of DAF is suitable for HVO, and the new MAN and Volvo trucks have also been released. The maintenance interval remains unchanged when using HVO. HVO is more expensive than diesel oil. The fuel can be recognized by the bright blue color that has been added.

If 10% HVO is applied, a CO2 emission reduction of 10-17% is achieved. In this project, the first pilot will be run by converting 1 truck or van to HVO.

It is also possible to investigate whether it is possible to use HVO diesel in diesel compressors (<https://www.atlascopco.com/nl-nl/construction-equipment/resources/blog/hvo-for-compressors>).

Responsible

Yannick Mol

Registrar

Karin Simon

Effects

Meters	Type	Effect start on	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans	Relative to: 2022	01-01-2024	-10%
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans Benefil			

Charting liters for own use (Approved)

CO2 emissions could very well be offset against liters of resin. Now we only have an overview of what we produce and sell. But there is also a lot of sales/export involved. It would be nicer to have a map of what we consume ourselves.

Investigate how we can do that.

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Resin produced	Absolutely	01-01-2100	0 liter

Plan transport better, drive in regions (Approved)

An additional driver was recently hired. This allows trips to be planned more efficiently. We can drive more in regions, especially in the North. This saves miles in transport and therefore fuel.

Responsible	Yannick Mol
Registrar	Karin Simon

Effects

Gauges	Type	Effect Start On	Effect
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption trucks and vans	Relative to: 2022	01-01-2023	-2%
Aquaresins Technologies Group (Coyandan B.V.) / Diesel consumption / Diesel consumption trucks and vans Benefil			

5.7. Employee contribution

Consists mainly of implementing the measures. This can be further strengthened by a clearer sustainable mobility policy.

No comments found

6. Initiatives

Aquaresins Technologies Group (Coyandan B.V.) Club of 49

49% less CO2 in 2030: according to the Climate Agreement, we must achieve this in the Netherlands. Isn't it remarkable that not all companies commit themselves to that objective by default? Not even if they do participate in the CO2 Performance Ladder?

That's why SmartTrackers founded the Club of 49 in 2018: a collection of passionate companies that really want to

achieve the 49% target, take substantial steps and also investigate how 49% reduction can be translated into their

company chain

For more information, please refer to the [website](#). Budget 300 euros per year

Methodologies	Start Date	End Date
CO2	01-01-2023	
Participation		
Club of 49 meeting 13 April 2023		
Subject		
Sustainability in the chain: what can you do as a bridge between supplier and customer?		