# Environmental Report

*Elysée's Environmental Report, its vision, environmental management, and future opportunities*

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# 1 Our Sustainability Business Strategy

Our vision is to be a **Green Leader** worldwide through

***Innovative, Smart, Easy-to-use Piping Systems***.

In 2020, we initiated a broad assessment of our activities, operations, and product impact to inform on our sustainability strategy, realize our company's Vision and set realistic, yet challenging and promising goals for the years ahead. With our sustainability business strategy focusing on:

- High quality & safe products
- Green products & product innovation
- Quantifying our environmental impact
- Investing in renewable energy & reducing the energy intensity of our production facilities
- Investing in emissions offsetting projects
- Achieve Zero-waste-to-landfills
- Divert piping waste from landfills
- Promoting circular design

**Our Mission50**

Develop W.I.S.E. products to preserve water resources for future generations

W.I.S.E - Products that are Worldwide, Innovative, Smart, Easy-to-use

Provide a competitive edge to our Customers and Partners

Lead our People to their fullest potential

Achieve sustainable and profitable company growth

Contribute to our Society and Environment making Earth a better place to live

## 1.1 Sustainability Goals

| Impact Area | Goal |
|---|---|
| **Climate Change** | Quantify our GHG Emissions<br>Implement GHG Emissions reduction initiatives<br>Invest in Carbon removal schemes |
| **Safety & Environmental Management** | Certified with safety and environmental management systems |
| **Energy Management** | Investing in Renewable Energy<br>Implement Energy Efficiency projects across our operations |
| **Waste Management** | Improve our material utilization<br>Zero waste-to-landfill |
| **Community Relations** | Strengthen our community ties |

## 1.2 Aligning our Sustainability Goals


**Feeding the World Sustainably**

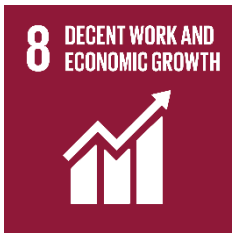
Providing precision agriculture products that enable farmers to improve their operating outputs while limiting their environmental impact.


**Improving the Management of Water Systems**

Continiously investing in innovation to deliver safe, efficient water management systems and technologies that are easy to use and accessible worldwide. With our improved efficiency in our customers, we can reduce their burden on the local environment and resources while achieving improved operations of their water systems.


**Investing in Renewable Energy**

In our endeavor to reduce our GHG Emissions we are investing in renewable energy, aiming to power 45% of our production operations by solar energy by December 2022, and electrifying our vehicle fleet over the next decade.




**Prosperous Work Environment Fueling our Economic Growth**

We are dedicated to creating strong family ties across our organization and our employees. Promoting personal and professional growth, providing training opportunities and employment to young and experienced professionals.


**Investing in Innovation and Industry Improvements**

Through our partnerships across the industry, such as our participation in Plastics Alliance Europe, we aim to strengthen our innovation capabilities, shaping our products to match our customer needs and improved requirements.


**Powering Sustainable Construction and Resilient Cities**

Creating pipe infrastructure that is easy-to-use and efficiently meets our rising needs in urban development in relation to water, sewage and electricity management and transportation. Especially when considering effective homebased gardening irrigation, underground urban pipe systems for water and cable management and sewage transportation from and within housing systems.


**Circular Economy**

There is a significant opportunity to eliminate waste and keep valuable materials, such as pipe plastics, in use and enable our customers to divert their waste from landfills and incineration facilities with no energy recovery.


**Energy and Climate Change**

All our global activities (including manufacturing, distribution, research & development, and administration) use energy in one form or another. Further improving our energy efficiency and seeking more renewable sources, will significantly reduce our greenhouse gas emissions and limit our contribution to climate change.


**Local Partnerships for a Resilient Future**

We build lasting ties with local stakeholders through a broad range of community projects and are committed to continuously increasing our positive impact on them.

# 2 Sustainability Performance, a Breakdown of our GHG emissions

Following the methodology of the Global GHG Accounting and Reporting Standard[1][2] for Scope 1 and Scope 2 emissions our organization carried out an extensive analysis of our operations in 2020 (1st January 2020 to 31st December 2020) and the results are as follows:

*Table 1: GHG Emissions Summary in 2020.*

| Category | GHG Emissions tons $CO_{2,\ eq}$ |
|---|---|
| **Scope 1: Direct emissions** | |
| Mobile combustion in transport equipment owned by the company, such as motor vehicles, trucks, forklifts | 284.8 |
| Business Travel* | 0 |
| Waste treatment | 0.2 |
| Employees Commuting to Work | 287.3 |
| **Total Scope 1 Emissions** | **572.3** |
| **Scope 2: Energy Indirect Emissions** | |
| Imported energy | **3323.1** |
| **GHG Emissions off balanced** | |
| Use of Photovoltaic Panels | **369.2** |

* No business travel occurred in 2020 due to the Covid-19 Public Health Crisis and this was part of our strategy to protect and support our people. We have also taken further actions to ensure the safety of our personnel and partners by investing in online video conference systems, safety equipment, personal masks and limited the visitors on our production plant and offices.

[1] https://ghgprotocol.org/corporate-standard

[2] *Scope 1 focuses on the direct emissions of the organization, meaning that our company has a direct management control of these activity. Whereas, Scope 2 focuses on the Indirect emissions from energy consumption. Indirect meaning that these are activities managed by 3rd parties and our organisation can only in influence these stakeholders through engagement, partnership or/and supplier choice. Yet, in Cyprus due to the market size, the dominant supplier of electricity is EAC. EAC produces electricity using fossil fuels and the only way to diversify our electricity mix is investing in Renewable energy ourselves. As a result, we are investing in the development of a solar farm across our estate, which will be finalised in three stages by 2022.*

# 3 Our 2020 Achievements

| Impact Area | Our Achievements |
|---|---|
| **GHG Emissions** | Quantify our GHG Emissions in 2020 as a baseline year for future activities. |
| **Waste Generation** | Quantifying our waste generation intensity. |
| **Renewable Energy** | Doubled our solar panel capacity, and this corresponded to the saving of 369.2 $tCO_2eq$ from being released to the environment. |
| **Energy Mapping** | Rolling out an energy mapping system across our production floor for improved energy monitoring. |
| **Safety & Environmental Management** | Received our EMAS certification for the operations of our production facilities and sales stores in January 2021.<br>Received the ISO 14001:2015 – Environmental management systems certification for the operations of our production facilities and sales stores in alignment with our established ISO 9001:2015 – Quality management system and ISO 45001:2018 – Occupational health and safety system. |
| **Resilience facing the 2020 Public Health Crisis** | Implementing safety and testing protocols to safeguard our personnel on site.<br>Instated work-from-home and flexible hour schemes to support our employees. |
| **On-site Material Recovery** | The purchase and installation of a plastics recycling unit. |

# 4 Our 2021 Sustainability Goals

| Goal | Actions | Indicator (Quantifiable) | Target |
|---|---|---|---|
| **Improving our Energy efficiency** | Energy audit of selected operations | Energy consumption in production sites | 5% reduction in specific energy |
| | Implement the 2nd phase of our solar farm | Reducing fossil fuel dependency | 30% of our electricity needs covered by solar energy |
| **Decreasing our Waste Generation** | Training employees to minimize waste & improve recovery rates<br>Partnership with local recycling plants to manage our waste | Material utilization rate<br>Waste generation rate<br>Waste generation intensity | Reduce the amount of waste generation by 5% |
| **Material Recovery Program** | Pilot program for material recovery to produce circular products | Recycling Rate | Develop at least 2 circular products incorporating recycled plastic content<br>Use 50 tons of recycled plastic for the production of new products |
| **Engaged Employees** | Initiating engagement activities across our sites | Employee satisfaction/ engagement rate | 75% engagement or better for all employees |
| **Engaged Local Communities** | Connecting & supporting local communities | Number of projects supported across our community | |
| **Environmental Monitoring** | Reduce our Environmental Impact in correlation to waste generation & water usage rates | Waste sent offsite per ton of product manufactured<br>Total quantity waste send to landfill (or incineration without energy recovery) | Achieve our target of zero production waste-to-landfill<br>Be granted a recycling permit by the Department of Environment |
| **GHG Emissions** | Examine projects for GHG emissions removal | Number of trees planted<br>Rate of $CO_2$ Emissions removal | Plant 1000 trees<br>Replace the chiller system with an improved energy efficient system<br>Invest in electric trucks & forklifts to replace existing diesel engines |