Because tomorrow it’s too late

The following report describes the activities of the Social Enterprise HELIOZ GmbH in the time frame between the 01/01/2019 to 31/08/2020.

The report is based on the 2014 version of the Social Reporting Standard (SRS) which has been published by the Association Social Reporting Initiative (SRI).

HELIOZ GmbH is registered at the Commercial Court Vienna under the registration number FN378914b.

The headquarter of HELIOZ is located in Vienna.
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10 years have been passing by and HELIOZ developed from an experimental start up to HELIOZ - Future Economy. In an Interview with founder Martin Wesan, we create a picture of the development process of a leading Social Enterprise and above all – why it is now HELIOZ - Future Economy?

Martin started the foundation of HELIOZ as a social enterprise, because he wanted to build a framework where social and ecological goals should be in the centre stage and simultaneously be able to provide tailor made CSR Programmes and CO₂ certificates.

“The pursuit of only profit for such an Enterprise just does not work. Our products are clearly designed to help companies make the next step into a greener future and give people in the Global South a tool for a higher standard of living.”

Martin got inspired by C.K. Prahalad and his famous theories of business solutions of serving the bottom of the pyramid. HELIOZ started with the business model for spreading a tool for water disinfection on a household level, the “WADI”. The impulse to found HELIOZ came during an event for Martin’s Master thesis about how to implement a business model with WADI.

“Everyone asked me when I will enter the market with my solutions and when people will be able to benefit from the Solar Water Disinfection with WADI – For me it became clear that I needed to take the step to found HELIOZ.”

From the beginning, one of the most important focus areas for HELIOZ has always been India, since it is one of the worldwide first countries with mandatory Corporate Social Responsibility (CSR) regulations. In 2019 the first HELIOZ subsidiary was founded in Delhi and in 2020 HELIOZ started the first large scale project in India.

“All along carbon financing was always an intended solution to fulfil our mission of providing safe water to the Global South.”

Although 10 years ago the carbon market was still unstable, and prices were too deficient for a high-quality carbon project with the WADI. Nevertheless, carbon financing remained a possible option for HELIOZ. For this reason, WADI was originally designed to last at least 5 years, guaranteeing permanent carbon savings.

“It was a long way to find a customer who dared to venture into bed with a company that has never done a climate project before.”

In 2017 we started the first climate project in Bangladesh. And HELIOZ is doing it with flying colours. Every year there are 10,000 tons of CO₂ saved and meanwhile the disease rate is dropping, female independence is strengthening through the establishment of self-help groups and school’s student attendance rates are increasing.

“For the carbon market Greta Thunberg changed a lot – she drew attention to the topic and on climate change. We should pay her commission :)”

The carbon market is reducing emissions through the implementation of climate projects in remote areas, where carbon reduction would not be possible any other way. This is the reason why it is necessary for companies to not just reduce emissions, but to offset them as well. In doing so global carbon emissions can be minimized and global warming can be slowed down.

“Entrepreneurs should recognize for themselves that adapting their products to social and ecological standards can also have an economic added value.”

Adapting economy to social and ecological standards is the core of HELIOZ - Future Economy. It describes an economy with the smallest possible footprint for our planet. That means business activities having the least negative impact on the environment and society possible. Future Economy means to rethink the economy and to focus on quality as well as on non-financial standards. HELIOZ in particular shows in a classic way that we can improve social and ecological factors with a business model, thereby bringing added value for our customers in terms of CO₂ reduction and CSR strategy and of course to people affected in Africa and Asia. HELIOZ is creating a win-win-win situation for everyone in this area.

“In 10 years, I believe that many companies will already have implemented our vision of future economy.”

And in ten years HELIOZ will be known as one of the best points of contact for sustainable carbon compensation. HELIOZ will never be selling bulk carbon credits – but is a proven expert in providing certificates with added value, not only causing a carbon reduction but also generating social impact on site.

“HELIOZ is delivering an emotional and important mission for our future and it wouldn’t be possible without a passionate team carrying this mission. I thank all members of HELIOZ for taking the journey with me.”
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“THE WORLD IS IN A DIFFICULT SITUATION – OUR HEALTH NEEDS OUR FULL ATTENTION AND AS A CONSEQUENCE OUR ECONOMY IS BEING CHALLENGED, OUR CLIMATE IS AT STAKE. BUT THERE IS ALSO THE WINDOW OF OPPORTUNITY FOR SUSTAINABLE BUSINESS DEVELOPMENT FOR LONG-TERM VALUE CREATION. SETTING CARBON EMISSION TARGETS AND CREATING ADDITIONAL POSITIVE IMPACT ALONG THE VALUE CHAIN IS A COMPANY’S RESPONSIBILITY.

WHAT HELIOZ PROVIDES, IS A FUTURE-PROOF PERSPECTIVE FOR COMPANIES THAT ARE WILLING TO INCORPORATE SUSTAINABILITY IN THEIR DAILY BUSINESS – AND THOSE THAT STILL NEED A PUSH. IT IS A POSITIVE SIGNAL FOR THE FUTURE OF ECONOMY.”

Martina Merz, Chief Executive Officer thyssenkrupp & Shareholder HELIOZ
Global Challenges

The Global Water & Climate Crisis

Water is a finite and irreplaceable resource that is fundamental to human survival and well-being. However, in many parts of the world the provision of safe drinking water is still not secured and millions of people lack access to safe, sufficient and affordable water. In 2012, the governments at the United Nations Conference on Sustainable Development confirmed that safe water is at the core of sustainable development.

Climate Change is one of the biggest challenges of our lifetime and the largest threat to the current and future generations. To limit global warming to 1.5°C, global carbon emissions need to decrease to 55% of 2010 levels by the year 2030. To reach this ambitious goal, the United Nations have created the Agenda 2030 and defined 17 Sustainable Development Goals (SDGs).

Climate – Water – Health

The facts are clear: Climate Change has an accelerating impact on the big issues of our time, threatening the well-being and livelihoods of people around the world. For millions of people these resources are out of reach. The changing conditions lead to an additional threat to the existing resources.

In India, 140,000 children die every year due to diarrhea alone. The cause? Lack of access to safe drinking water sources. In rural communities in Asia and Africa people still depend on limited, microbiologically contaminated water sources to satisfy their basic needs. Unfortunately, the most common method of water disinfection, boiling the water with firewood, results in high CO₂ emissions – directly affecting the environment. In addition to being time-consuming and expensive for the people, widespread use also has dire effects on people's respiratory health and the local forest cover.

Innovative and affordable solutions are needed to tackle the global water and climate crisis, and improve people’s living conditions without creating dependencies and additional problems.

Previous Solutions

Water Treatment

Low income households in rural areas of the Global South are lacking access to safe drinking water and therefore due to the consumption of contaminated water are facing additional costs for water treatment solutions or health treatment. The main technologies currently available for household water treatment are boiling with firewood, filtration, UV light and chlorination. These products are expensive, require regular maintenance and supplies or do not provide efficient protection against viruses, bacteria and protozoa. Boiling especially leads to additional pollution and health issues through carbon emissions and problems to the respiratory system.

Climate change

To mitigate global warming it is inevitable for companies to decrease carbon emissions. Currently there are industrial and corporate emissions which cannot be reduced or avoided, due to a lack of technical possibilities.

Companies can offset these unavoidable emissions by supporting climate projects that contribute to global CO₂ reduction somewhere else. The consequence is that global pollution is reduced and global warming can be decelerated.
And we are finding the best solutions.

HELIOZ is an Austrian Social Enterprise active in the field of water disinfection and development of climate projects. Relying on its easy-to-use and environmentally friendly solution for water disinfection, the WADI device, HELIOZ is providing safe drinking water to thousands of families across India, Africa and South East Asia – creating high social, economic and environmental impact and creating CO₂ reduction of more than 40,000 t per year.

Full-Service Provider

HELIOZ is a full-service provider – from concept development to implementation and impact assessment. Its innovative technological approach and advanced project design ensures high SDG impact and international recognition. The base pillars of all HELIOZ projects are water for all, sustainable project design and long-lasting impact.

The Technology

HELIOZ is relying on the environmentally friendly method of Solar Water Disinfection with UV-indicator WADI. WADI was specifically designed by HELIOZ for communities that are in need of an easy-to-use solution for water disinfection. The solar-powered device not only provides people with safe water on daily basis, but it also has a positive impact on the environment. The change in method of disinfecting water – from boiling to WADI – leads to a reduction of CO₂ emissions and indoor air pollution. WADI has been tested by the World Health Organization (WHO) and approved as an effective method for household water treatment.

Future Economy

Climate change has a global impact on current and future generations - at both an ecological and economic level. To combat the crisis and guarantee a secure future, we must all work together. Future Economy means to rethink the way we look at economy. Future Economy does not want to change everything but mainly focusing on quality as well as environmental and social standards. It reveals an economy with the smallest possible footprint for our planet. Entrepreneurs should recognize that adapting products to social and ecological standards can also have an economic added value. Future Economy means that we align our society, and above all our economy, with sustainable thinking.

CO₂ Reduction at the household level

Creating positive environmental impact and integrating sustainability-based activities in the HELIOZ project design are key aspects of the operations.

The HELIOZ climate projects include:
- Water disinfection with an environmentally friendly and solar-based technology
- Reduction of 2 tons of CO₂ per WADI/year
- Networks and trainings for plastic recycling and waste management
- Protection of local forests

International Recognition

HELIOZ is a member of UN Global Compact, BCorp, and Business Call to Action (BCtA), and is a reputable provider for social and environmental impact. In 2019, the company was the proud winner of ASSOCHAM’s Water Management Excellence Award for “Best New Product in Water Sector” received by the Minister of Jal Shakti (Minister for Water), the honorary Shri Gajendra Singh Shekhawat, in India. HELIOZ has also been selected as a global Best Practice Showcase for innovations that have provided real solutions to the world’s biggest challenges as part of the World EXPO 2021 in Dubai.

Water Disinfection at the Household Level

WADI is designed for water treatment at the household level. A crucial point of action when it comes to preventing water-borne diseases, especially in the youngest community members under the age of five. A systematic study of various methods and strategies revealed that treatment of drinking water at home prevents 39% of diarrhea cases – compared to 11% when using improved water at the source. Intervention on household level is key for long-lasting impact.*


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Customers expect companies to act responsibly and tackle social and environmental issues which has put spotlight on Corporate Social Responsibility (CSR) initiatives of companies around the world. CSR activities are important for internal and external stakeholders such as customers, employees, shareholders and suppliers and are documented in annual reports and used for marketing activities. HELIOZ is the strategic partner for European and Indian Companies in the field of CSR, specializing on high quality project implementation and creation of impact in the global south while providing unique content and supporting its partners in communications and marketing. This enables HELIOZ customers to stand out over their competition and increase brand value.

Besides Europe, we have identified India as special CSR target market with a huge growth potential due to the legal obligation of large companies to invest 2% of their profits in the common good. From 2015 to 2017 the CSR market volume in India has grown by 134% to approximately € 1.87 billion with a specific potential in the area of water/sanitation of € 470 million per year.

### Best Practice - ALPLA

ALPLA - world leader in the development and production of plastic packaging solutions is working with HELIOZ for CSR activities in the Indian market, a key market where the Austrian Multinational has its own subsidiary and operates 7 plants. Hence, the partnership benefits ALPLA locally in India as well as on the global stage, demonstrating how its reused packaging solutions in combination with the WADI is providing safe drinking water in Maharashtra and Madhya Pradesh.

### Best Practice - Boehringer Ingelheim

BOEHRINGER INGELHEIM (BI) together with its global initiative Making More Health (MMH) is focusing on improving lives and living conditions of families in need. Cooperating with HELIOZ and following its vision to create value through innovation, BI and MMH have taken up a safe drinking water program for its communities in Western Kenya. During the country’s Covid-19 outbreak, project partners are delivering important preventive measures - increasing the awareness of WASH and combining it with the planned building capacity with WADI, the simple innovation of water disinfection.
Our projects will be certified under Gold Standard, the leading standard for verified emission rights (VER) guaranteeing the highest standard for CO₂ certificates which are sold on the voluntary carbon market.

The voluntary carbon market is the global platform for trading and selling CO₂ certificates for voluntary emission offsetting. The market has seen a significant growth rate in the past decade amounting to 62.7 MtCO₂e in 2017, a 71% increase compared to 36.7 MtCO₂e in 2016, and is expected to grow further in the upcoming years.*

In 2018, more than 5 MtCO₂e have been traded in the premium segment starting with € 5 per ton. End consumers such as companies striving to act climate neutral could purchase these certificates through intermediaries at prices between € 7 to € 20 and higher.

HELIOZ is already active in the field of CO₂ compensation since 2017 and is managing climate projects in Asia and Africa.

The certificates from this climate project will be marketed to end consumers (€ 10-20) as well as to intermediaries (€ 7-10). As a consequence the calculated mixed price of CO₂ tons sold from this project is € 9.8 per ton.

HELIOZ will increase its sales force, approaching end consumers and intermediaries with focus in Germany, Austria and Switzerland profiting from existing networks.

HELIOZ will become a leading provider of premium CO₂ certificates in Austria.


HELIOZ – Best Practice in Bangladesh

Since 2017 HELIOZ has been continuously developing and expanding its climate program in Bagerhat district, Bangladesh. Resilient project design and high-quality implementation in cooperation with the local partner organization, has ensured the establishment of a best-practice programme in a risk prone project region with high demand for safe water solutions. The programme currently includes 25,000 beneficiaries and leads to a reduction of 10,000t CO₂ p.a.

The reduction of CO₂ tons per WADI has increased during programme lifetime through adaptive implementation and training measures, showing potential for additional CO₂ certificates.
WADI is simple, reliable and easy-to-use. Obtaining safe drinking water with WADI can be achieved through five simple steps: 1) Fill PET- or UV-permeable glass bottles with water, 2) Expose the bottles and WADI to the sun, and press the reset button, 3) you can track the progress bars for a few hours while the water is disinfected, 4) Watch a happy smiley face appear on the display when the process is completed and 5) Water is safe for consumption.

The smiley face appears as soon as the incident UV-dose reaches that of the reference values stored in WADI, the water is safe to drink (removal of 99.99% of common harmful virus, bacteria and protozoa).

WADI in combination with SODIS is highly effective against bacteria, protozoa and viruses.

WATER DISINFECTION AND CO₂ REDUCTION AT THE HOUSEHOLD LEVEL

- Sustainable
  - no maintenance
  - no spare parts needed
  - 2-years warranty
- Cost-effective
  - reduces expenditures on healthcare and firewood
- Scalable
  - simultaneous disinfection of several litres of water
- Environmentally friendly
  - solar-powered
  - no batteries
  - reduces CO₂ emissions

2.5 IMPACT
HELOZ strives for long-term social and ecological commitment through sustainable and participatory multi-year water and climate projects. The operational focus is placed on integrated WASH (water, sanitation, hygiene) measures and climate action. HELOZ and its clients support the Sustainable Development Goals.

The HELOZ impact framework has been developed in accordance with the IOO1-model. The conceptualization was guided through a 6-month training programme by measury OÖG (Mag. Alfons Bauernfeind, Mag. DI (FH) Maria Angerer).

“BUSINESS EXISTS TO SERVE SOCIETY AND HELPING THE SOCIETIES IN WHICH WE OPERATE IS PART OF OUR CORE VALUE AT SIEMENS. OUR COLLABORATION WITH HELIOZ ON THIS PROJECT SOLIDIFIES OUR COMMITMENT TO ADDRESS BASIC HUMAN NEEDS AND ESSENTIAL INFRASTRUCTURE FOR THE ADVANCEMENT OF COMMUNITIES AND REGIONS WE OPERATE.

POSITIVELY IMPACTING THE QUALITY OF LIFE OF PEOPLE IN OUR REGIONS IS CRUCIAL TO US.”

Sabine Dall’Omo, CEO of Siemens, Southern & Eastern Africa
Bangladesh currently ranks 135th according to the Human Development Index 2019 (HDI value: 0.614; rank 135/189). The coastal belt of Bangladesh is highly affected by anthropogenic climate change and limited access to safe water sources. The main water sources for the project beneficiaries are surface water in the dry season and rainwater harvesting in the dry season.

Safe Water. In 2017, HELIOZ started the climate project to provide communities in Sarankhola with access to safe water through the environmentally friendly method of Solar Water Disinfection (SODIS) with HELIOZ’ frugal innovation, the UV indicator WADI. Currently, 5000 households (25,300 people) benefit from the HELIOZ technology. In response to the local demand and available settlement networks, the “sharing method” was integrated into the project supplying an additional 2,600 people.

Climate Action. More than 10,600 carbon credits / year are generated for the voluntary market through this project. The emission reduction is monitored and certified in cooperation with the University of Natural Resources and Life Sciences Vienna (BOKU). Prior to the start of the climate project, 97 percent of households depended on the basic method of water treatment through boiling on simple clay stoves, using around 320 kilograms of firewood per month (Baseline Report. BOKU gW/N, 2018).

Impact. 5000 households switched to water treatment with SODIS and WADI. In the reporting period, the majority (97 %) of households are using WADI every day (5-7/week) in the dry season, shifting to usage rate of 3-4 days/week in the rainy season by 87 % of households storing the water for up to 48 hours. On average each household disinfects 26.4 liters of water per day. 98 percent of users have positively indicated a reduction in waterborne diseases, saving every household about 14 USD per year in medical costs. Furthermore, 16 school days and 13 workdays are additionally available to households due to disease reduction. The intervention also triggered the establishment of 100 disability inclusive women groups that meet monthly.

User Rating. The WADI technology has been rated on average 4.8 out of 5 (1-5 scale, 5 being the highest) with all 200 interviewees sharing that they would recommend WADI to others. The product demand increases continuously. Currently, 760 additional households in Sarankhola have voiced their interest in WADI.

Project Resilience - COVID-19: The COVID-19 pandemic and associated restrictions have negatively affected the socio-economic situation of Bangladesh due to i.a. loss in income and access to education. The economic situation of the project’s beneficiaries was heavily impacted: 98 % stated a reduction in household income and 79 % struggle due to increased food costs. The flexible and tailor-made project design allowed for immediate inclusion of COVID-19 awareness messages in the WASH program. In addition, an increase in sharing of disinfected water with neighbors was documented, especially for preventative handwashing with safe water.

Method of Assessment: The impact report is based on a quantitative survey on household level (n=200) implemented in 08/2020, the BOKU field monitoring report 01/2020 and reports by the implementation partner Centre for Disability in Development (CDD).
Input / Output for Bangladesh:

- 1.3t firewood saved per HH / year
- 27,900 beneficiaries
- 51,900,000 liters of disinfected water/year
- 10,625t saved CO₂ per year

5000 WADIs
5 FTE positions established in Bangladesh (community facilitators)
1,200 group meetings / year
100 women groups
35 people with disabilities (PwD) integrated in project

98% of beneficiaries experienced reduction in waterborne diseases
Uganda currently ranks 159th according to the Human Development Index 2019 (HDI value: 0.528; rank 159/189), therefore being part of the lowest 50 countries. Half of the country’s population still depends on unimproved water sources and only 18% are using improved sanitation facilities, contributing to a mortality rate attributed to unsafe water, sanitation & hygiene services of 31.6 per 100,000 people (HDI 2019). HELIOZ has selected Uganda as one of its primary implementation countries with a focus on WASH activities (SDG 6.1 and 6.2), working with skilled partners in this sector.

Project Background: Between 2017 and 2018, HELIOZ and its local implementation partner implemented a WASH project in Soroti District, Eastern Uganda, benefiting 3,434 households and 20,584 total beneficiaries. The project achieved a high outcome level providing safe water access and training on good sanitation and hygiene practices to 20,584 beneficiaries (18.7 million liters of water / year).

In the interest of continuously improving the quality of HELIOZ projects and intervention schemes with local implementation partners, the path from outcome to impact was evaluated as part of an assessment - one and a half years after the initial 12-month project ended.

The path from outcome to impact: The assessment highlighted the lasting effects of the project as well as possibilities for growth and continuation. 93% of the interviewed households shared that unprocessed water leads to health problems in their families, indicating a lasting awareness regarding the relationship between water quality and incidences of diseases.

“My wife used to wash plates and cups from the ground next to the kitchen but now she uses the drying rack to put the plates, cups and also disinfect SODIS with WADI. There has been a reduction in water related illnesses like typhoid and stomach pains due to worms since we now take treated water. […] The home is now clean and my visitors appreciate sitting at home and taking clean water.”

Okodan Ivan Eric, Awaliwal Parish, Gweri Sub-County, Soroti District

Furthermore, households have adhered to proper sanitation and hygiene practices in key areas. The project initially achieved 86% latrine coverage. Currently 66% of households are using their pit latrines resulting in 128 out of 197 households showing no signs of open defection. One area for improvement is the availability of handwashing facilities in working conditions.

“There has been an improvement in sanitation and hygiene around my home. I am proud to have and use a tippy tap [comm: handwashing facility] in my home, especially during these COVID-19 times where handwashing is one of the prevention methods stated by the government guidelines.”, shared Okodan Ivan Eric. But not all households were able to maintain the WASH infrastructures in the same way. Behaviour change for sustainable water management and technology transfer to the implementation countries - both are integral parts of the HELIOZ project operations. 42 out of 197 households were no longer able to disinfect water due to lack of WADIs. The social dynamics in village settings as well as the fluctuant demographic situation with changing household structures is seen as a contributing factor by HELIOZ.

The results of the assessment underscores a key strategic decision HELIOZ has made since the project ended: The switch to multi-year projects building up strong local partnerships for continued household support in the area of WASH, access to additional materials like PET bottles and WADIs as well as plastic recycling and household waste management initiatives.

Sustainable impact: HELIOZ and its clients see the potential of strengthening sustainable development through private sector funding. Therefore, the step was taken to move on from short-term and solely outcome-driven interventions to multi-year projects that create measurable impact and empower communities to use the attained know-how on a self-sustaining basis. The high flexibility in project design enables data-driven planning that take acute developments (e.g. COVID-19) into consideration to strengthen resilience.

Extension: In the past 12 months 59% of interviewees have asked stakeholders in their reach for support regarding WASH and water disinfection - 32% of them asking more than once. HELIOZ has identified the need for continuance and expansion of the initial project starting in 2020 – with an additional focus on COVID-19 measures. Combined with its customer, Elektrizitätswerke Schönau (EWS), 280 new households in the initial project region and 200 households from the first project phase will be [re]trained in WASH management including safe water access through SODIS with WADI. Furthermore, the communities and health centers in the area will be supported with COVID-19 prevention measures.

Method of Assessment: The impact report is based on a quantitative survey of households (n=197) implemented in 01/2020 and reports by the implementation partner Water School Uganda.
Input / Output for Uganda*:

- 3,434 WADIs
- 13,736 WASH trainings in 3,434 households and 4 schools
- 8 rainwater harvesting tanks (10,000-liter capacity)
- 4 schools trained in ferro-cement tank management

34$ year household savings due to reduced medical costs

18,700,000 litres of water disinfected/year

20,584 beneficiaries

*Numbers from 2018
India currently ranks 129th according to the Human Development Index 2019 (HDI value: 0.647; rank 129/189). The country faces several water challenges – ranging from flooding and water scarcity to lack of safe water access at a household level. In 2018, India reported 15.6 million cases and 2,400 deaths due to diseases primarily caused by biological contamination of water. The economic cost of these waterborne diseases is estimated to be USD 600 million annually (World Bank Report, 2017). The main drinking water sources for the project beneficiaries are open wells and tube wells/borewells.

**Safe Water:** In 2018, HELIOZ started a safe water programme to benefit the Korku tribe in Madhya Pradesh and Maharashtra in collaboration with the local implementation partner Caritas India. Currently 924 households (5,174 beneficiaries) benefit from safe water through Solar Water Disinfection (SODIS) with WADI. In addition, 6 Anganwadis (rural childcare centers) were trained and integrated in the project to provide continuous support and safe water for attending women and children. Prior to the project, households mainly depended on boiling water, filtration or the flocculant alum for water treatment. The current assessment has highlighted that 99% of households that used to boil water have stopped the practice and switched to the more environmentally friendly WADI technology.

**Reduced Inequalities:** The project targets the scheduled Korku tribe and pays particular focus on groups with a higher risk for contracting waterborne diseases: households with malnourished children, pregnant/lactating mothers and/or adolescent girls, Anganwadi centers and schools.

**Health and Wellbeing:** Waterborne diseases are closely linked to other health problems like malnutrition, making children more susceptible to the diseases and its fatal consequences. The comparative assessment has shown strong impact of WADI on the reduction of waterborne diseases. While 72% of non-users have suffered from a waterborne disease in the last 12 months, leading to medical costs of up to 2000 Rs. (27 USD) per treatment, WADI users benefit from an improved health situation. 91% of beneficiaries had no incidence of waterborne diseases since using WADI with every second interviewee highlighting the strong positive influence SODIS/WADI had on reducing their health care expenses within 12 months.

“Before using the WADI device, we were spending a lot of money treating waterborne diseases, but now they [comm. the family members] get less sick and never complained about diarrheal incidences.” Harichard Motilal Sarvekar, Kokdabad (MH)

Harichard shared that previously frequent incidences of diarrhea affected the health and economic situation of the family. His 3-year old grandson Asha lost significant weight and was categorized as “moderately malnourished” by the Anganwadi workers. In the last 12 months the family saved around 1600 rupees (21.7 USD) in medical costs and used the saved money on family necessities, especially nutritious food for the children.

**Impact:** 924 household switched to water treatment with SODIS and WADI. In the reporting period, 72 percent of households are using WADI every day (5-7/week) and 23 percent every 3-4 days/week, disinfecting on average 13.4 liters of water per day.

“I have noticed an obvious improvement in the health of my Anganwadi children. There is a drastic reduction in the water-borne diseases which was often countered when the children spend time in the center. I am happy that disinfecting the water with WADI does not change the taste of the water and also helps to avoid use of chemicals.” Soganti Bethekar, Anganwadi worker, Kokdabad (MH)

**User Rating:** The majority of users (96%) have chosen WADI as their preferred treatment method; the main reasons given for the high satisfaction are that WADI can easily be transported (88%), requires no batteries/electricity (83%) and is environmentally friendly (79%).

**Method of Assessment:** The impact report is based on a comparative quantitative survey of households with WADI users (n=264) and non-users (n= 60) implemented until 08/2020 and reports by the implementation partner Caritas India.
Input / Output for India:

4,500,000 litres of water disinfected/year

5,174 beneficiaries

924 WADIs
2 FTE positions established in India (community facilitators)
68 group trainings / year
84 WASH awareness programmes
6 Anganwadis & 2 schools

91% of beneficiaries experienced reduction in waterborne diseases

3.3 PROJECT OUTCOME
Contribution to Sustainable Development Goals (SDG)

- Providing safe drinking water for more than 100,000 people.
- Raising awareness for water disinfection, hygiene and sanitation (WASH measures) in rural communities of Asia and Africa.
- Systematic change of household water treatment by introducing solar water disinfection (SODIS) in combination with the WADI as effective, sustainable, cost-efficient and environmentally friendly method.
- Empowerment of women as primary provider of safe drinking water.
- Ecology
  - Protection of local forests. Annual saving of up to 6,500 tons of firewood in Bangladesh.
  - Raising awareness of proper waste management at the household level.
- Economy
  - Reduction of health costs for families. Saving of 27 USD household income in India per year.
  - Increased school attendance (up to 40%) and workdays (up to 60%) due to lower disease rate.
  - Creation of 15 FTE in rural communities of Asia and Africa.
  - Reduction in firewood leads to annual savings of up to 50 USD per household.
- Prevention of Indoor Air Pollution and CO2 emissions. Reduction of 80% in e.g. Uganda.
- Ecology
  - Protection of local forests. Annual saving of up to 6,500 tons of firewood in Bangladesh.
  - Raising awareness of proper waste management at the household level.
- Economy
  - Reduction of health costs for families. Saving of 27 USD household income in India per year.
  - Increased school attendance (up to 40%) and workdays (up to 60%) due to lower disease rate.
  - Creation of 15 FTE in rural communities of Asia and Africa.
  - Reduction in firewood leads to annual savings of up to 50 USD per household.
The Future of HELIOZ

WE CANNOT PREDICT THE FUTURE.

BUT WE CAN CHANGE IT.
Following the described Business Model of HELIOZ, we will create a new structure for our CO₂ Business focusing on India as an implementation market. With a total volume of 300,000 CO₂ Certificates (Gold Standard) per year for European customers, this new structure will generate a unique investment opportunity. With the experience and know-how of HELIOZ, this new company will be using the WADI technology owned by HELIOZ R&D GmbH and will be serviced by the team of HELIOZ GmbH in Austria and in future by HELIOZ Global Services Ltd. in India. HELIOZ CLIMATE PROJECT COMPANY will be producing the CO₂ Certificates and selling these certificates on the European Market. HELIOZ GmbH in Austria will be the project leader in implementing this CO₂ project in India via its established service and partner networking.

The demand for safe water solutions and climate change mitigation in rural India is undeniable. In 2020, HELIOZ is partnering with experienced implementation partners in India to start a 5-year climate project for rural communities in selected districts of India. HELIOZ aims to improve the access to safe water for vulnerable communities and create long-term positive impact on the livelihoods. Through a systematic approach HELIOZ and the implementation partners intend to facilitate behavior change in the field of water, sanitation and hygiene (WASH) in these communities, while also creating a tremendous environmental impact. The project will not only provide safe drinking water but also reduce CO₂ emissions and improve air quality, by introducing a clean and sustainable solution for water disinfection to more than 150,000 families in rural communities – without incurring running costs and harming the environment through deforestation and burning firewood. The project design will follow the Gold Standard GS4GG guidelines – the highest international standard for voluntary carbon emission certificates. The project will be financed through the generation of up to 300,000t of CO₂ certificates per year which will be sold on the international market for voluntary carbon emission reduction.

Over the last three years HELIOZ has put resources in the development and implementation of WASH and climate projects in India. Together with Caritas India as the local implementation partner, HELIOZ has been developing and implementing a WADI programme in Madhya Pradesh and Maharashtra since 2018. For the project at hand, Caritas India as well as other well-known international organizations are interested in cooperation.
The proposed climate project will be implemented in the Republic of India, focusing on vulnerable rural communities. The project will be developed and implemented in cooperation with existing Indian implementation partners of Helioz in selected districts and monitored by international certification partners.

Water Resources and Diseases
India is among the world’s most water-stressed countries. The reasons are not only seasonal variations with heavy rainfall and droughts but more importantly the lack of sustainable management of water resources and access to safe water sources. Between 2012 and 2017, India registered 69.14 million cases of water-borne diseases. According to Jai Prakash Nadda, Minister of Health and Family Welfare, diarrhoea is the cause for 60% of all death in India – the leading killer. Since 2014 the government has raised more awareness for these issues through the nationwide campaigns Swachh Bharat Abhiyan (Clean India Mission) to improve sanitation and hygiene and the Jal Jeevan Mission to improve access to drinking water.

Politics
India is a federal parliamentary democratic republic under the current leadership of the president Ram Nath Kovind as the head of state and Prime Minister Narendra Modi as the head of government. India is the world’s largest democracy with a stable political system.

Economy
India is developing into an open-market economy with first liberalization measures starting in the early 1990s, leading to continuous growth over the past decades with an average growth of 8.8% between 2000 and 2010.

Demographics
India is the second most populated country in the world with a current population of 1.35 billion people. More than half of the population is under the age of 25. As of 2018, 65% of the Indian population live in rural areas.

Project Scope
Reduction of 300,000t of CO₂ emissions per year (1,500,000t over 5 years) in India by replacing boiling of water as primary source of water treatment method with solar water disinfection (SODIS) with WADI, a clean and sustainable disinfection method. Improving access to safe drinking water and raising awareness on disease transmission for 750,000 beneficiaries in project regions.

Facts & Figures
- **Objective:** Provision of safe drinking water & reduction of 1,500,000 t CO₂ emissions over 5 years
- **Certification:** Gold Standard GS4GG
- **Project Area:** India (Madhya Pradesh, Rajasthan, Maharashtra)
- **Target Group:** 150,000 households (more than 750,000 beneficiaries)
- **Project Start & Duration:** 2020–2026
- **Partners:** HELIOZ & Implementation Partners
 Providing safe drinking water for more than 750,000 people.
• Raising awareness for water disinfection, hygiene and sanitation (WASH measures) in rural communities of Asia and Africa.
• Systematic change of household water treatment by introducing solar water disinfection (SODIS) in combination with the WADI as effective, sustainable, cost-efficient and environmentally friendly method
• Empowerment of women as primary provider of safe drinking water.

Impact

Society

Ecology

Economy

Impact for People and Climate

Over 750,000 people will gain access to safe drinking water
• Up to 1 billion litres of safe water per year
• Over 300,000t CO₂ will be reduced per year
• 80% incidences of waterborne diseases will be reduced
• Over 300 women groups will be established
• 75 FTE created in developing countries

HELIOZ ensures that its projects have a sustainable and long-lasting impact on people and climate in its focus countries in Asia and Africa.

HELIOZ PRODUCTS HAVE SIGNIFICANT SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT AND HAVE THE FOLLOWING BENEFITS FOR FAMILIES LIVING IN UNDERPRIVILEGED COMMUNITIES:

• Reduction of indoor air pollution and CO₂ emissions.
• Preventing incidence of waterborne diseases. Reduction of 91% in India.
• Protection of local forests. Annual saving of up to 5,000 tons of firewood.
• Raising awareness of proper waste management at the household level.
• Reduction of health costs for families. Saving of 27 USD household income per year in India.
• Creation of 75 FTE in rural communities of Asia and Africa.
• Reduction in firewood leads to annual savings of up to 50 USD per household.

HELIOZ ensures that its projects have a sustainable and long-lasting impact on people and climate in its focus countries in Asia and Africa.

4.1.2 THE FUTURE OF HELIOZ
Research & Development

HELIOZ R&D GmbH is our holding company owning all IP and R&D developments. Research and Development is an important part of HELIOZ, as there are a lot of ideas to improve WADI and the Solar Disinfection (SODIS) process.

HELIOZ is investing a lot of time and effort in every detail to ensure that the solution provides expected advantages to people and the environment. We don’t just think in terms of the product itself; we also take into consideration the full life cycle of the development phase. HELIOZ considers the entire economy of a device - start to finish, from the devices reusability to recycling during the scheduling phase. Our responsibility ends when the product has been recycled.

WATERSPOUTT / Solar Treatment Unit (STU)

Over the last years HELIOZ R&D was not only the master mind behind the development of WADI but has also participated in international R&D developments such as the WATERSPOUTT Consortium. WATERSPOUTT aims to increase the user uptake of SODIS by designing, piloting and bringing to market three novel solar based technologies (Solar rainwater reactors / STU, Solar jerrycans and Solar-ceramic filtration). These technologies will be designed in consultation with end users in Africa and will be piloted in Uganda, South Africa, Ethiopia and Malawi. WATERSPOUTT technologies will have an estimated market of more than 102 million potential end-users in Africa in addition to 50 million elsewhere (Asia, Europe, Latin America). The consortium consists of 15 renowned universities from Africa, Asia and Europe, which contribute their expertise in the fields of microbiology, material science and social sciences.

HELIOZ is among the founders of the research consortium and contributes its sensor technology and implementation of know-how. The goal is to market the developed products, in which HELIOZ will hold exclusive rights.

The STU (Solar Treatment unit) is a large-scale water disinfection unit, built with the SODIS method. It is effective against microbiological contamination and ideal for rainwater harvesting tanks, piped water, or surface water. The STU is designed to provide larger communities with water kiosks or drinking water, such as villages, large buildings, schools and community centres. The STU is easily scalable from 200 to 1000 liters per unit, per day. Easy handling ensures no issues during the use or maintenance of the device. With proper maintenance around every 2 months, its usage lifetime can reach several years at almost no running costs.

The STU can be upgraded to an automated draining system, as we can link it to the WADI software, so we know exactly when the water is safe to drink. Furthermore, we are already in the stage of developing the STU by using a mobile device for tracking the water treatment process. This will help us by tracking the UV data remotely from the HELIOZ headquarters.
Solar dose indicator (SDI)

With the SDI we bring the Internet-of-things to target countries and use this digital solution to impact measurement and real-time verification. Furthermore, we can determine the approximate amount of CO₂ saved on a daily basis and make it available for our customers. The SDI has the same function as the WADI basically, but with an improved connectivity to a cloud service, allowing us to track the use of the SDI and incoming UV value at a dedicated place.

With the option to create a network of well dispersed regional SDI stations, we can continuously map the incoming UV-radiation which provides the service on demand without physically having the device or being at the station. This can help to provide the SODIS method to a larger community more cost efficiently and simultaneously provide real-time data about the use of the method.

We use the information to get live data from a single point which allows us to compare and improve project regions. This data helps us monitor different weather conditions throughout the year and also understand how often the WADI and SODIS methods can be used.

The technology of our SDI is currently in discussion for future joint developments with international mobile telecom companies. The idea is, to create a standalone device, which not only provides the UV income data but also weather data such as air pressure or air humidity. This creates a simple, standalone kind of weather station, allowing us to build up a network of SDIs and increase our weather know how in the target areas prompt and easily.

SUSTAINABILITY

As Helioz is a social enterprise, a sustainable and ecologic way of design is substantial to us. Therefore, the baseline for our design is the “circular packaging design guideline”, developed from the FH Campus in Vienna. We used this external expertise to make sure we cover all needs for a sustainable product design. The WADI is easy to disassemble. Which means every single component is done in a monomaterial way, allowing each component to be easily recyclable. All the plastic parts are done with a PMMA, which is known as a material you can reuse and recycle also having less weight than common polyolefins. PMMA is a long-term material for extreme conditions, e.g., long-term exposure to solar radiation, as during the SODIS process with WADI. The local production of the components and the assembly of the WADI in the target project region saves a lot of effort during transport and cuts down the CO₂ footprint accordingly.

Injection moulding is an energy and water saving method compared to other ways of production.

During the past years of development, we were able to cut the overall weight of the WADI by 20%, saving the use of raw material and becoming more efficient and sustainable in our way of production.

In addition to the local production, we also source raw materials and printing materials directly on site to avoid long transportation chains. The cardboard packaging of the WADI is not only locally sourced but also made from recycled paper with a limited use of printing colours - protecting the environment and allowing minimal waste from our shared products. The WADI is an independent device, all required energy is gained on its own via a solar panel - allowing no need for maintenance. Past teaching has shown the lifetime of a WADI can easily exceed 5 years, ensuring us a long-lasting reduction of carbon emissions.

In addition, we are in cooperation with ALTSTOFF RECYCLING AUSTRIA (ARA) organization in Austria, guaranteeing a sustainable method of recycling.
Since 2009 and after successful years of implementing WADI projects in Kenya, Ethiopia, Uganda, Bangladesh and India, Helioz focuses on the development of tailor-made CSR projects for the Indian market, as well as on the further development of CO₂ projects for European clients. We see, even in times of global shutdowns, a clear demand for answers to the climate problems internationally. A change of industrial processes will not happen within years to come. A global answer to climate change is not reached up to now. Clearly the goal is to reduce CO₂ emissions globally, starting with industrial processes, but we have to face the fact that this will take time! And we should not forget to focus on “smaller” issues such as burning firewood to obtain drinking water.

Water as a source of life is not accessible to millions of people worldwide. Providing safe drinking water to the world’s population is one of the major challenges we face. HELIOZ provides solutions to tackle both problems, by combining a safe procedure to produce safe drinking water, reducing CO₂ emissions. Therefore, Helioz took the next step to enter the Indian market and offer CSR projects to local companies, as well as solutions for governments. Creating a project of minimum 100,000 CO₂ tonnes for European customers, will benefit the local rural population in India.

Expansion

Helioz started co-operations with local Indian stakeholders, such as WAPCOS, TERI, CII-Triveni, CBM, Caritas India as well as the Water Ministry of India for a roll out in India. Having laid this foundation over the last year, we are now in the position to place our first “Large Scale CO₂ Project” in India. This project will be starting in 2020 with approx. 50,000 households in dedicated areas, preselected and agreed with our partners in India, creating the first certificates by end of 2021.

During this period, we will enlarge the areas subject to funding. We believe in the future development of the free carbon credit market within the next 5 to 10 years, always aiming to follow the 7 SDGs we are committed to. Next phase Helioz is entering is a community-based solution by combining our technology of WADI for WHASH Centres – combining Water ATMS, with toilette facilities, shop solutions, etc. Our STU is the perfect solution for these projects as well as for private and commercial customers. Helioz develops further R&D projects, such as our SDI, focusing on the developments in the mobile and internet market and creating new revenue streams in the future.

After years of development, testing and developing our field projects for the use of WADI, Helioz is now entering the stage of becoming a global player in water solutions, with a strong track-record. We are one of the few companies combining social impact with clear project-based solutions and the production of CO₂ Certificates.
Behind the Scenes

5

YOU KNOW YOUR BUSINESS BETTER THAN WE.

BUT WE KNOW OUR BUSINESS BETTER THAN ANYONE.
5.1 BEHIND THE SCENES

**Team**

**Martin Wesian**, our founder, holds a MSc in International Business Engineering from UAS Technikum Vienna. He originally developed the concept of HELIOZ and is an entrepreneur, solutions-oriented executive who creates value for social investors and focuses on topics such as sustainable growth, frugal innovation and social entrepreneurship. Martin is also founding board member of the Austrian Social Entrepreneurship Network (SENA) and Member of the Board at the Austrian UN Global Compact. Previously he was involved in various Start-ups, built up branches in Sweden and Germany and operated a small Culture management business for more than 10 years.

**Barbara Oberfichtner** is our Program Manager. Barbara obtained a Bachelor of Science degree in General Biology and is currently finishing her MSc in Biological Anthropology and joined HELIOZ in September 2017. She is responsible for implementing WADI projects in chosen countries and coordinating with involved stakeholders. She leads Impact Measurement and Reporting and has experience in communication and PR.

**Stefan Pollak**, with more than 8 years of experience in the injection moulding and tool building business, will be our technical project manager. He worked as a key account manager for US companies, helping to equip new facilities with injection moulding machines and moulds and defining processes for mass production. He studies packaging technology at the FH Campus Vienna. He has proficiency in the chemical and food industry. He has expertise in the field of project management & business development involving sustainable technologies demonstration is a perfect fit for Helioz. He joined HELIOZ in Sept, 2020 and is responsible for project management & business development in India and selected countries in Sub-Saharan Africa & Southeast Asia.

**Sarah Entacher** is supporting the team since summer 2019. She is responsible for internal sales and assists with reporting and communications. Sarah has experience in public relations and project management. Currently she is completing her Bachelor of Laws with focus on public & nonprofit management.

**Gregor Riss** is our experienced and passionate Business Development and Sales Manager. He joined HELIOZ in January 2016. Previous jobs include technology driven companies in the food and chemical industry. He has expertise in developing new markets, evaluating sales and distributions channels and optimizing the sales network and developing pricing strategies. He leads business development in India and sales and marketing in EU.

**Manuela Bachlechner** is our Project Manager. She studied business administration with specialization in controlling and international accounting. She has many years of experience in the corporate and non-corporate sector. She joined HELIOZ in June 2016. Her experience in the administration of large projects and in an international and multicultural business environment for more than 15 years perfectly fit WADI project.

**Dr. Michael Preclik** is our Partnership Relation Manager and has extensive experience in Sales and Business Development in the energy, startups, financial services and the e-mobility fields. He holds a joint MSc degree from WU-Vienna and Emory University and a joint PhD degree from WU-Vienna and ETH Lausanne. He joined HELIOZ in 2020, is responsible for attracting and acquiring new customers in the DACH region, developing new markets and customer satisfaction.

**Utkarsh Sethia** is our Project Manager based in the Indian office of Helioz. Utkarsh obtained a Bachelor of Technology (B. Tech) degree in Chemical Engineering and has more than 3 years of work experience in the development sector in India. His passion for learning and expertise in the field of project management & business development involving sustainable technologies demonstration is a perfect fit for Helioz. He joined Helioz in Sept, 2020 and is responsible for project management & business development in India and selected countries of Sub-Saharan Africa & Southeast Asia.

**Niclas Schmiedmaier** holds a double degree from the University of Vienna and from the University of Notre Dame. He is an acting-partner at CBS-consulting in Austria and a partner at BNS Management Consulting in UK. Through his expertise in business planning, strategy, financing, law and HR he brings success to both national and international projects. His previous work includes the CFO of Life+ and clients such as Avesta Group.
Caritas India

Caritas India is recognized as a leading NGO in poverty alleviation through community managed disaster risk reduction and natural resource management. The organization serves the underprivileged sections of society, hailing from socially excluded communities, the Scheduled Castes and Scheduled Tribes, and religious minorities by exercising preferential actions for the most marginalized.

“Caritas India values the successful cooperation with HELIOZ as an innovative solution provider and expert in the field of water disinfection.”
Fr. Paul Moonjely
Executive Director Caritas India

Centre for Disability in Development (CDD)

CDD is a non-profit organization developing a more inclusive society for persons with disabilities in Bangladesh. The organization’s mission is to create a sustainable, inclusive environment where persons with disabilities can equally participate in the mainstream development process.

Weltungerhilfe

The German NGO Weltungerhilfe provides aid according to the principle of help for self-help, from fast disaster relief and reconstruction to long-term development cooperation project. The organization’s work in India follows four priority sectors: Rural Livelihoods and Sustainable Agriculture, WASH and Water Security, Governance and Peace and Natural Resource Management and Climate Resilience. Weltungerhilfe is active in states such as Jharkhand, Odisha, West Bengal, Madhya Pradesh, Rajasthan and Bihar.

Get Water Uganda (GWU)

Get Water Uganda (GWU) is a non-profit organization concerned with Water, Sanitation and Hygiene (WASH) programs and Climate Change Mitigation in Uganda. GWU envisions a community where all people have access to clean and safe drinking water and sanitation and are responsive to climate change while using simple and sustainable community-based design approaches.

Water School Uganda (WSU)

Water School Uganda is a WASH Award winning Christian charity, established in 2007 to implement WASH programs in Uganda that comprehensively transform lives. WSU uses WASH trainings for children, teachers, peer promoters and Village Health Teams (VHTs), through the Satellite Village and Child to Community Approaches as an entry point. Targeting simple and sustainable technologies, WSU engages opinionated leaders to determine how to best tackle challenges in a developmental manner to empower communities to learn and promote consistent practice of excellent WASH using locally available materials.

Implementation Teams

HELIOZ is working with local implementation partners in Asia and Africa that have extensive know-how in e.g. WASH, health, community development, women empowerment and disability inclusion. The partners function as the direct link between HELIOZ and the beneficiaries.
HELIOZ on a Global Stage

GLOBAL BEST PRACTICE PROGRAMME

EXPO 2021

HELIOZ is selected as one of 25 projects to be showcased at Expo 2020 Dubai’s Global Best Practice Programme, ‘Small Steps, Big Leaps Solutions for Sustainable Impact’. The Global Best Practice Programme will add value and advance collective impact towards the SDGs by gathering, spotlighting and rallying stakeholders around effective, successful initiatives for localising SDGs that can be adapted, replicated and scaled for enhanced worldwide impact. At Expo 2020 there will be 25 million visits, with approximately 70% of visitors to come from outside the UAE – the largest proportion of international visitors in the 186-year history of World Expos.

HELIOZ was selected from a pool of 1,175 submissions from 141 countries under a global call for proposals and convinced a technical evaluation by the UN-Water and United Nations Development Programme (UNDP), and was consequently recommended for final consideration by the Programme Co-Chairs, His Excellency Vicente Gonzalez Loscertales, Secretary General of the Bureau International des Expositions (BIE) and Dame Polly Courtice, Director at University of Cambridge Institute for Sustainability Leadership.

The ethos of the Global Best Practice Programme to shine a light on the selected solutions for sustainable impact. HELIOZ and their project partners will benefit from global visibility and knowledge sharing during the showcase.

The Expo 2020 is the first World Expo to take place in the MEASA (Middle East, Africa and South Asia) region and is now postponed to 2021-22 due to the Covid-19 pandemic.

WAPCOS

WAPCOS Ltd is a consultancy organization and public sector undertaking under the Ministry of Jal Shakti, Government of India. HELIOZ and WAPCOS are collaborating on joint WATER SECTOR projects.

ASSOCHAM

The Associated Chambers of Commerce and Industry of India (ASSOCHAM) is one of the leading trade associations of India. ASSOCHAM named WADI best New Product in the Water Sector in 2019.

CII-TIWN WATER INSTITUTE

CII-TiWN is a renowned center for excellence in the water sector in India. HELIOZ and CII-TiWN are working together on the topic of Water Security and Safe Drink Water for Rural Communities.

United Nations Global Compact

HELIOZ is member of the United Nations Global Compact, with the aim to align strategies and operations with universal principles on human rights, labour, environment and anti-corruption.

AUSTRIAN DEVELOPMENT AGENCY

Austrian Development Agency is the operational unit of Austrian Development Corporation. ADE and HELIOZ have been partnering in social enterprise and Water initiatives.

WATERSPOT

HELIOZ is consortium partner of the H2020 programme WaterSpout. The WADI has received H2020 Seal of Excellence.

UNIVERSITY OF VIENNA WUKEC

University of Veterinary Science, Animal Health and Food Safety, Vienna.

HELIOZ network

Social Entrepreneurship

Netzwerk Austria

HELIOZ is Austria’s first member of Business Call to Action (BCtA), a UN initiative with the aim to accelerate progress towards the Sustainable Development Goals (SDGs).

Siemens Stiftung

HELIOZ is proud member of the Empowerment People Network and is collaborating with Siemens, Stiftung as project partner for Centr4Sense.

Certified B Corporation

HELIOZ is a certified BCorp since 2016. Certified B Corporations are businesses that meet the highest standards of verified social and environmental performance, public transparency, and legal accountability to balance profit and purpose.

AUSTRIAN DEVELOPMENT AGENCY

Austrian Development Agency is the operational unit of Austrian Development Cooperation. ADA and HELIOZ have been partnering in social enterprise and water initiatives.

AUSTRIA

Helioz is an active member of the SPDA, a Network formed by the Federal Ministry for Economic Cooperation and Development Germany and the GIZ (German Corporation for International Cooperation).

HELIOS network

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HELIOZ in India

Water Ministry India

With a population of 1.3 billion people and a growing demand for safe drinking water, India has always been a key focus area for HELIOZ. In the past years HELIOZ successfully expanded its activities in the region and has built up a permanent presence in the capital, New Delhi. India is not only a relevant country for project implementation with projects in Madhya Pradesh and Maharashtra as well as Bihar and Bundelkund but also an important market. On April 1st 2014, India became the first country to legally mandate corporate social responsibility, requiring companies to spend 2% of their net profits on defined social or environmental activities. This led to a significant increase in CSR spending with a focus on educational and water related activities.

HELIOZ Global Services Pvt. Ltd. was founded in January this year to unlock the potential of the Indian market and intensify the partnerships with organisations in the water sector, the university community as well as with clients. This facilitates the operations in India and is a clear commitment from HELIOZ towards India and its communities.

Best New Product in the Water Sector

In June 2019 HELIOZ received ASSOCHAM’s prestige water award for Best New Product in the Water Sector. The jury highlighted the solar-powered WADI as a sustainable solution and emphasised the flexible, easy use of the device. The award was handed over by the Minister of Jal Shakti, the honourable Shri Rajendra Singh Shukhawat.

Opportunities of India

Opportunities

India is a unique country in many ways. The country is home to more people than all African countries combined. This in combination with a rapidly growing economy and the CSR law makes India a very important market and implementation country for HELIOZ. With HELIOZ’ established network of renowned partners in the water sector and by setting up HELIOZ Global Services Pvt. Ltd. HELIOZ has successfully set the basis for its future operations on the subcontinent.

Challenges

India has 29 states and 7 union territories. All with a big number of similarities but also specific peculiarities. Hence a clear strategy is needed when selecting operations sites and implementation regions. In 2020 Covid-19 has slowed down relevant business development activities in India and forced HELIOZ to readjust its strategy, putting emphasis on established networks.
WE DON’T ACT OUT OF RATIONAL REASONS.

WE ACT OUT OF PURE PASSION.
## Organisation

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Future Economy reveals an economy with the smallest possible footprint for our planet. It means to focus on environmental and social standards, having the least negative impact on the environment and society with your business activities.

**We care about our planet:**
We apply a sustainable and ecological way of project design based on the “circular packaging design guideline”. We reduce our CO₂ footprint by outsourcing and producing the assembling our products and components locally.

We travel carbon neutral:
- Through our team on site, we are able to avoid excessive travelling.
- If possible, we are steering operations remotely.
- If it isn’t possible, we compensate our flights through our own carbon credits generated through our climate project in Bangladesh.

We use recycling paper and avoid unnecessary printing.
All documents sent to customers are done through digital means.

**We care about Compliance:**
HELIoz Compliance Regulations are based on the Gold Standard for the Global Goals (GS4GG) Safeguarding Principles and Requirements. Safeguarding principles & requirements therein are derived from a number of international conventions, including:
- UNDP’s Social and Environmental Standards (SES)
- UNEP’s Environmental, Social and Economic Sustainability Framework
- The World Bank’s International Finance Corporation Performance Standard

**We care about our team:**
We offer flexible work hours and home office. We offer company pension schemes.
Performance reviews take place annually.
We offer all our employees further training and create a work atmosphere conducive of growth.
We cover the costs of public transport for our employees.
Employees are allowed to bring pets to the workplace.

We care about our planet:
We apply a sustainable and ecological way of project design based on the “circular packaging design guideline”. We reduce our CO₂ footprint by outsourcing and producing the assembling our products and components locally.

We travel carbon neutral:
- Through our team on site, we are able to avoid excessive travelling.
- If possible, we are steering operations remotely.
- If it isn’t possible, we compensate our flights through our own carbon credits generated through our climate project in Bangladesh.

We use recycling paper and avoid unnecessary printing.
All documents sent to customers are done through digital means.
WE DON'T JUST WANT TO SET EXAMPLES.
WE WANT TO SET NEW STANDARDS.
KPIs

HELIOZ is partnering with international business customers in the field of Corporate Social Responsibility (CSR) and Carbon Reduction to finance WASH and climate projects for vulnerable communities in Asia and Africa. Over the past years HELIOZ has become a key provider of CO₂ certificates with high social and environmental impact. Its best practice climate project in Bangladesh has gathered attention from international companies and foundations.

HELIOZ ensures that its projects have sustainable and long-lasting impact on people and climate in its focus countries in Asia and Africa.

- Over 100,000 people gained access to safe drinking water
- 128 million litres of safe water per year
- Over 40,000 t CO₂ reduced
- 80% reduction of waterborne diseases
- 40% increase in school attendance
- Over 100 women’s social groups established
- 5 Focus countries
- 12 International implementation partners
- 15 FTE created in developing countries

SALES REVENUES MORE THAN TRIPPELED WITHIN THE LAST 12 MONTHS!