



## ENVIRONMENTAL STATEMENT 2023



THE PRESENT ENVIRONMENTAL STATEMENT PROVIDES DATA AND FACTS ABOUT THE CONSTANT IMPROVEMENT IN ENVIRONMENTAL MANAGEMENT AT THE IPROTEX SITE IN MÜCHBERG. ACCORDING TO THE ENVIRONMENTAL MANAGEMENT SYSTEM OF THE EUROPEAN UNION ACCORDING TO THE EU REGULATION (EMAS).

FURTHER THE ENVIRONMENTAL STATEMENT INFORMS ABOUT THE CURRENT DEVELOPMENTS IN THE ENVIRONMENTAL FIELD.

## **IMPRINT**

### [Responsible for the content:](#)

iprotex GmbH & Co. KG  
Kirchenlamitzer Straße 115  
D-95213 Münchberg  
[www.iprotex.com](http://www.iprotex.com)

### [Photos & Graphics](#)

iprotex GmbH & Co. KG  
shutterstock

ENVIRONMENTAL STATEMENT 02/2023

In order to improve readability, this report largely dispenses with gender-neutral spelling. Of course, terms such as employees, customers, partners, etc. always mean both grammatical genders.

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# GROUP OF COMPANIES

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## TRADITION | ORIGIN

Iprotex GmbH & Co. KG was founded in the year 1999 by CEO Timo Piwonski and has been developing from a small regional braiding company to a real Global Player with 9 locations worldwide. Upper Franconia remains the headquarters and origin of the group of companies and ensures a friendly image worldwide.

## FULL-SERVICE

Iprotex GmbH & Co. KG is a full-service producer for technical textiles. In the in-house warping, braiding, warp knitting and weaving mill customer requirements can be specifically addressed with regard to the used materials and the technologies. IPROTEX also offers a wide range of finishing and manufacturing technologies, to tailor the textiles with the necessary material properties.

## INNOVATION

At IPROTEX, textile solutions are developed to meet the challenges of our time. Textile technologies allow different materials to be combined in the best possible way and material properties can be used perfectly. Textiles offer enormous potential for savings because of their low weight and the custom-fit production possibilities. A concrete example of innovative products at IPROTEX is the European Space Mesh – ESM, which was developed in cooperation with the Munich-based aerospace company HPS. This mesh on a metallic basis is used as a deployable antenna reflector for satellites.

By using the mesh instead of a rigid reflector, a lot of weight and pack size can be saved and space missions become significantly more effective.

## PORTFOLIO

The majority of IPROTEX customers come from the automotive industry. Due to the very good cooperation in recent years, IPROTEX has been able to build a large customer base and a broad product portfolio in this area. The products mainly comprise textile wrappings for cables and wires or other relevant mechanical parts to protect them from external influences such as heat or abrasion especially in the engine compartment. In recent years, textile expertise has also been increasingly transferred to other industry sectors. The existing products and the countless possibilities in textile production are also very interesting for many other industries like mechanical engineering.

## TRAINING

IPROTEX is a training company and gives young people the opportunity to start their career either with an industrial training or a commercial training. Offers for dual courses of study are also very popular. The goal of the IPROTEX training is to take over the young people into a permanent employment and to be able to work with them in the long-term.


# FACTS & FIGURES

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<b>Foundation</b>	1999
<b>Founder</b>	Timo Piwonski
<b>Form of company</b>	GmbH & Co.KG
<b>CEO</b>	Timo Piwonski
<b>Headquarters</b>	Münchberg  Germany
<b>Branches</b>	Crimmitschau   Germany Le Kram   Tunisia Paris   France Ilinden   North Macedonia Shanghai   China Changxing   China Michigan   USA El Marqués   Mexico
<b>Sector</b>	Technical textiles   Supplier industry
<b>Key-Markets</b>	Automotive   Composites   Industry   Medicine   Sports
<b>Core competence</b>	Full-Service producer for technical textiles
<b>Certificates</b>	IATF 16949:2016   ISO 14001:2015   ISO 9001:2015 OEKO-TEX Standard 100
<b>Employees</b>	350 worldwide  12 in the department research & development
<b>Trainees</b>	15
<b>Annual turnover</b>	30 Mio.€   financial year 2022

# MILE STONES

1999  
FOUNDING



**IPROTEX** GmbH & Co.KG  
Innovative Protecting Textiles

2012  
EXTENSION  
PRODUCTION AREA  
Münchberg, DE



EXPANSION CHINA  
Shanghai, CN

2013

2020  
EXPANSION  
NORDMAZEDONIEN  
Skopje, MK



EXPANSION CHINA  
CHANGXING, CN

2021



EXPANSION innotect GmbH  
Crimmitschau, DE

2002

2003  
EXPANSION  
TUNESIEN  
Tunis, TN



2014

EXTENSION  
PRODUCTION AREA  
Crimmitschau, DE

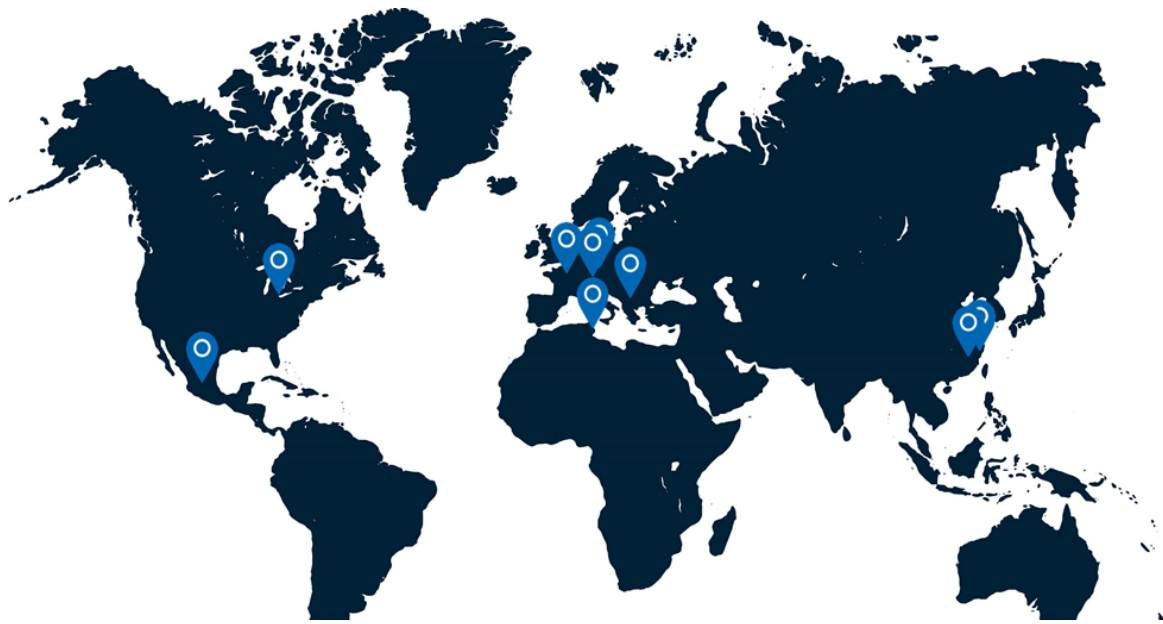
2018  
EXPANSION MEXICO  
El Marqués, MX





# GLOBAL FOOTPRINT

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## AMERIKA

iprotex de México S. de R.L. de C.V.  
Carretera Estatal 431, km 2+200 No. 46-D,  
Parque Tecnológico Innovación Querétaro,  
El Marqués, Querétaro, C.P. 76246  
Mexico

iprotex US representative office  
2820 West Maple Road, Troy  
Michigan 48084  
USA

## ASIEN

iprotex (Shanghai) Textile Industry Co., Ltd.  
Room 102&201, Building B1,  
No. 1355 Chengbei Road,  
Jiading District, Shanghai  
P.R. China

iprotex (Zhejiang) Co., Ltd.  
No. 508 Xianqian Road,  
Changxing county, Huzhou, Zhejiang  
P.R. China

## EUROPA

iprotex GmbH & Co. KG  
HEADQUARTERS  
Kirchenlamitzer Str. 115  
95213 Münchberg  
Germany

innotect GmbH  
Gewerbering 1a/b  
08451 Crimmitschau  
Germany

iprotex technical textiles dooel  
TIDZ Nr. 15, Ilinden  
1041 Ilinden, PO Box 24  
North Macedonia

iprotex France Bureau de liaison  
4, rue de la Saida  
F-750 15 Paris  
Frankreich

## AFRIKA

iprotex Tunisie s.a.r.l.  
Zone d'activité Kheireddine  
04 Rue Socrate  
2015, Le Kram  
Tunisia

# CORPORATE PRINCIPLES

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## MISSION STATEMENT

Our IPROTEX mission statement provides us with a framework for the daily actions. The mission statement is the identity of our company with which we can orientate us to define our goals and strategies. Our employees and potential new employees should identify themselves with it and be enthusiastic about our common goals. We want to make our business partners and customers aware of our principles for good and successful cooperation.

## VISION

We want to be the first point of contact for sophisticated textile solutions for all industry branches worldwide. We set ourselves this goal out of complete conviction. We have sufficient confidence in our ability and our experience to find and produce textile solutions for all industries. Since our company was founded, we have successfully taken on new challenges and have an intrinsic motivation to produce innovative and progressive textile solutions. We see globality as both an opportunity and a mission. We can connect the world. Cultures and people can learn from each other and produce and work together effectively and sustainably through meaningful structures. With our approach as holistic contact partner for technical textiles, we want to support our customers worldwide with their challenges.

## MISSION

We strive to produce the world's highest performing technical textiles while using resources responsibly. Through our in-depth expertise, we offer real added value to our customers as a reliable partner. At IPROTEX we challenge ourselves every day to get the most out of us and our product solutions. Our demand to ourselves is to fulfill the customer requirements with the best possible solution and always offer a real added value to our customers. We offer our specific knowledge and our experience for a cooperation to find the best possible solution for all parties involved. Research and development are central topics here at iprotex, which is why we work on advanced solutions every day in close cooperation with research institutes such as the Fraunhofer Institut, the University of applied science Hof or the Münchberg Textile college.

# CORPORATE VALUES

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## VALUES

How we act is very important for our daily business, our corporate culture and the perception through our customer. This is what our corporate values are about: Sustainability, customer satisfaction, entrepreneurship and know-how. Those function as a guideline for our actions and define how we cooperate with our customers and partners.

## TEXTILE KNOW-HOW

We are a major innovator in the field of technical textiles and see a great potential in our industry. Within our own research and development, we work, day to day to ensure the quality of our products and to create new textile application solutions. Through close cooperation with the Fraunhofer Institut, the University of applied science Hof and the Textile College in Münchberg we promote and challenge the industry. The exchange and cooperation between science and industry is a benefit for both sides and allows us to think and act innovatively. Internal training is also very important to us. Every year IPROTEX recruits and successfully trains talented people in the field of textile manufacturing. The dual education system with its long tradition in Germany has become an important part of iprotex and produces new skilled workers every year. We are proud of our many years of experience in textile manufacturing, thus building the foundation for the future.

## ENTREPRENEURSHIP

Profitability is the basic principle of every company in order to be able to exist. Starting as a two-man company in the year 1999, iprotex

is looking back on a successful 23 year history. The courage to seize an opportunity and the entrepreneurial spirit which transforms an idea to an international group of companies shall always remain with us. We want to have the courage to go new ways and always keep the diligence, the enthusiasm and the drive of the first hour. A healthy willingness to take risks, our flexibility and our fast acting are a clear competition advantage. Our top priority is always the long-term success of the company as well as the satisfaction, health and safety of our employees.

## CUSTOMER SATISFACTION

The production of technical textiles as well as the refinement of them is the core of our business. Our extensive product portfolio enables us to offer a wide range of application solutions for a wide variety of industries. Our willingness to explore new paths together with our customers, to research and establish new technologies and products enables us to move a lot together as partners at eye level. We are open for new markets and see potential in small and big ideas. We contribute our share to the partnership by setting the highest quality standards for ourselves and our products. We aim for long-term and trusting customer relationship in order to be successful together.

# CORPORATE VALUES

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## SUSTAINABILITY

For us, sustainability and sustainable management are a cornerstone of our value system and the basis of every decision. We want to create our sensibly and thus conserve nature and resources. Through appropriate material selection, well thought-out supply chains and production steps we want to live up to our social responsibility. We can replace outdated techniques and materials through product innovations and make a decisive contribution to the global fight against climate change and for nature conservation. Our research and development focuses intensely on the use of nature-friendly materials. Many of our products are 100% recyclable. We also attach importance to sustainability outside of our production by constantly rethinking and optimizing our internal processes. By avoiding waste we not only protect our environment but also make our entire company more efficient.

A showcase project is for example the recycling and reuse of paper spools. Due to our close cooperation with the automotive industry the automotive energy change is naturally a major topic at iprotex. We support manufacturers and automotive suppliers with our technical textiles, in order to be able to shape the turnaround successfully, safely and sensibly. At iprotex itself, electric and hybrid vehicles are an integral part of the vehicle fleet. Since 2018 we have built our own photovoltaic park on our company premises in Münchberg, where we generate 90% of the electricity required for the site ourselves. Our goal is to produce all of our energy needs ourselves by 2025.



# ENVIRONMENT MANAGEMENT

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## PRINZIPLE

Sustainability in all areas is our guiding principle, to conserve the dwindling resources and to use them more efficient.

## PROMISE

1. We are committed to protecting the environment, meeting our binding commitments as well as the continuously improving our environmental management system to improve environmental performance.
2. We see it as our duty to play our part in passing on a healthy planet to the next generation.
3. This leads to objectives that are strategically involved in our business development plans .

## ENVIRONMENT POLICY

The environment has always been a high priority for IPROTEX. Already at the beginning of our company activities we were certified according to the ISO 14001 for the first time and since then are improving constantly and systematic since then. To meet the legal requirements of the Energy Service Act, we chose the EMAS validation. In this way, we uncover optimization potential and open up the possibility to react to it promptly. The waste management which is mostly linked to the production department, also has points of contact with almost every area of the company. Apart from that a few other aspects of our work are all regarding sustainability. For example we work actively on the development of systems to reduce our CO2 footprint. No protection areas according to AsSV are used. For the realization of all these subjects in a lawful frame we rely on an online data base and make sure of the constant update.

All important laws are there to be named: KrWG, AwSV, 31, BImSchW. GefStoffV, GewAbfV. The observation happens through internal and external audits , walkouts with the federal agencies our customers, but also through the usage of external supplier. To ensure the necessary qualifications of the employees, constant internal and external trainings by referents and specialists take place. Weekly meetings and a monthly report ensure an always updated picture of the company in both ways. On the outside an open communication is happening to keep on constant contact with the federal agencies.

# BALANCE SHEET

## ELECTRICITY CONSUMPTION IPROTEX LOCATION MÜNCHBERG (CONSUMPTION IN kWh)

Year	External	Self-consumption PVA	Total
2017	1.237.306,00		1.237.306,00
2018	1.163.084,00		1.163.084,00
2019	883.315,00	319.454,29	1.202.769,29
2020	860.246,00*	310.307,22	1.170.553,22
2021	886.401,50	310.284,00	1.196.685,50

\* since 2020, we have been sourcing 100% green electricity at the Münchberg site

## ELECTRICITY CONSUMPTION IPROTEX LOCATION CRIMMITSCHAU (CONSUMPTION IN kWh)

Year	External	Self-consumption PVA	Total
2017	620.705,00	119.084,00	739.789,00
2018	711.113,00	146.493,00	857.606,00
2019	849.234,00	103.465,00	952.699,00
2020	744.625,13*	100.204,00	844.829,13
2021	764.734,49	87.310,00	852.044,49

\* since 2020, we have been sourcing 100% green electricity at the Crimmitschau site

## GAS CONSUMPTION IPROTEX LOCATION MÜNCHBERG (CONSUMPTION IN kWh/m<sup>3</sup>)

2017	333.462,5
2018	374.158,0
2019	476.762,0
2020	363.254,0
2021	305.402,0
2022	364.344,0

## GAS CONSUMPTION IPROTEX LOCATION CRIMMITSCHAU (CONSUMPTION IN kWh/m<sup>3</sup>)

Gas	INNOTECT
2017	444.834,00
2018	557.419,00
2019	341.621,00
2020	415.675,00

# BALANCE SHEET

## QUANTITY OF WASTE IPROTEX LOCATION MÜNCHBERG (CONSUMPTION IN t/year)

2017

Total according to municipal waste	48,89
Total tissue waste	5,04
Total paper + cardboard	7,21
Total foil	1,76
Mixed paper	3,68
Mixed glass	1,04
Total	67,62

2018

Total according to municipal waste	57,28
Total tissue waste	22,54
Total paper + cardboard	16,05
Total PE foil	1,98
Wood	10,51
Total	108,36

2019

Total according to municipal waste	59,58
Total plastic and cardboard tubes with yarn remnants	10,26
Total tissue waste	13,08
Total paper + cardboard	10,80
Total PE foil	4,12
Plastic waste	6,96
Packaging tapes	0,08
Mixed paper	8,42
Mixed scrap	7,54
Wood	21,14
Styrofoam	2,12
Total	144,10

# BALANCE SHEET

## QUANTITY OF WASTE IPROTEX LOCATION MÜNCHBERG (CONSUMPTION IN t/year)

2020

Total according to municipal waste	41,44
Total plastic and cardboard tubes with yarn remnants	11,29
Total paper + cardboard	14,53
Total Pe foil	3,25
Textile waste	27,50
Wood	14,27
Mixed glass	3,31
Total	115,59

2021

Total according to municipal waste	48,43
Total plastic and cardboard tubes with yarn remnants	3,91
Total textile waste	0,36
Total paper + cardboard	18,54
Total PE foil	1,42
Plastic waste	9,88
Packaging tapes	0,05
Total construction waste	16,32
Mixed scrap	6,04
Wood	19,84
Styrofoam	1,50
Mixed glass	0,90
Total	127,19



# ENVIRONMENTAL GOALS

## ENVIRONMENTAL GOALS BUSINESS YEAR 2023

Environmental goal	Measurements
CO <sub>2</sub> neutrality in the following years	<p>Energetic "Ertüchtigung" of the production and the management buildings as necessary ( e.g. windows)</p> <p>Expansion of the PV capacities at every site of the iprotex group of companies</p> <p>Investments in following E-mobility at the cars at our group of companies</p> <p>By 2030, reduce CO<sub>2</sub> emissions in SCOPE 1 and 2 by 30% compared to 2021.</p> <p>Climate neutral for SCOPE 1 and 2 by 2050</p> <p>Reduce CO<sub>2</sub> emissions SCOPE 3 by 30% by 2030 compared to 2021</p>
Optimize of the business processes regarding the energetic view	<p>Investment in machines and plants with the best energy efficiency</p> <p>Further development of products made of sustainable raw materials</p>
Optimize the work conditions	<p>Flexible times</p> <p>Offer for Home-Office</p> <p>4 day week</p>

# NEWS



## E-MOBILITY IN THE FLEET

Courier and errand trips will become climate and eco-friendly. In comparison to similar vehicles with a common burning motor on 100 km 20kg CO<sub>2</sub> are being saved. In 2019 already there was a charging station installed to realize shorter charging times and increase the flexibility. Following charging stations at the sites in Münchberg and in Crimmitschau were installed in the following year. In the future the vehicle fleet of iprotex shall slowly be renewed.



## TH HOUR – MAKE A MARK

The Earth Hour is a worldwide climate and environment protection activity in the form of turning the public lights off. It was founded in 2007 by the WWF Australia and takes place every year in March. The goal of the Earth Hour is to get the public's attention on climate protection. IPROTEX participates since 2020 at this great event and turns the light on all sites off.



## OFFER FOR HOME-OFFICE

Due the Corona virus it is a topic in every company – at iprotex long before that a solid part of the daily business at the company. Through an extensive Home Office offer we lower the energy usage on the business ground and spare the environment by the elimination of the daily drives to the workplace and to home. In the future iprotex will keep on relying on flexible work models to protect the environment.

# CONTACT

With this ENVIRONMENTAL STATEMENT we inform our employees, customers, neighbors and contract partners as well as all federal agencies, media and the wide circle of interests about our environmental activities and inviting them to a constructive dialogue:

If you have other questions, ideas or critique to the topic company environmental protection please turn to our contact.

Visit our browser:  
[www.iprotex.com](http://www.iprotex.com)



**Hans-Jürgen Seuß**  
Quality & Environmental  
Management

T +49 (9251) 8992-256  
M +49 (170) 6374611  
F +49 (9251) 8992-289  
E [hans-juergen.seuss@iprotex.de](mailto:hans-juergen.seuss@iprotex.de)

Expertise in technical textiles.

iprotex GmbH & Co. KG  
Kirchenlamitzer Straße 115  
D-95213 Münchberg

+49 9251 8992-0  
info@iprotex.de

**[www.iprotex.com](http://www.iprotex.com)**