TUI Cruises

ENVIRONMENTAL REPORT 2017

INTERIM EDITION

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PUBLISHER'S DETAILS AND CREDITS

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TUI Cruises is committed to equal treatment for women and men. In the interests of improved legibility only, no explicit distinction has been made between genders when referring to employees and customers.

EDITORIAL

Ladies and Gentlemen,

On 11 May, we will be holding the naming ceremony of the new *Mein Schiff 1* during the 829th Port Anniversary in Hamburg. With its environment-friendly technologies and materials, the newbuild is making an important contribution to our main concern of keeping the impact of our voyages on the environment at the lowest possible level. In this interim environmental report, we are presenting the activities that defined our commitment to sustainability and environmental protection during the year 2017 as well as the advances we have made in the targets we have set ourselves.

One focus during the past year was on the topics of waste avoidance and responsible waste management. In addressing these issues, we not only started to optimize internal processes such as waste planning and budgeting but also concentrated on reducing the waste generated on board our ships. To take one example, we have therefore systematically recorded all individual and disposable plastic packaging and are currently examining solutions to replace these so-called single-use plastics with sustainable alternatives. The quantity recorded has been steadily falling for years – not least because we continuously discuss this topic with our partners and suppliers. In the future, we shall be pursuing the clear goal of avoiding single-use plastic packaging completely in both the hotel and restaurant business.

During the reporting year, our focus was also on avoiding food waste. In a pilot project, we succeeded here in reducing the quantity of food waste on *Mein Schiff 4* by more than 17 %. The fact that the German Travel Industry Association (DRV) honored this achievement with the EcoTrophea 2017 environmental award additionally motivates us to extend this project to our entire fleet in 2018.

You will find details of this project together with explanatory animated films on emissions reduction or on waste and wastewater management on the *Mein Schiff* ® fleet on our redesigned sustainability website: www.tuicruises.com/nachhaltigkeit

Wybcke Meier
Chief Executive Officer
Chairwoman of the Management Board

TUI Cruises – the company at a glance.

Among the highlights of the year 2017 for TUI Cruises was the naming ceremony of *Mein Schiff 6* in front of the Elbphilharmonie. As a conclusion to the rapid growth of the fleet for the time being, the company is putting two further ships into service in 2018 and 2019.

With six ships and now 86 routes, TUI Cruises has been on a rapid growth course since the company was founded 10 years ago. More than two million guests have already opted for a holiday with the Premium All-Inclusive concept on board the *Mein Schiff* ® fleet, in which most food and beverages are included along with numerous sports offerings, use of the sauna facilities, entertainment on board, child care and German-speaking on-board cruise management.

Mein Schiff 6, which was named in June by the Elbphilharmonie, represented by its titular organist Iveta Apkalna, in a spectacular performance against the backdrop of the Hanseatic city's new architectural and cultural landmark, not only expanded the fleet by one additional ship. It also meant that for the first time, the year 2017 saw voyages to North America with stops in New York and Miami added to the TUI Cruises range.

Finishing straight for fleet growth

Like the other newbuilds, the sister ships currently under construction, *Mein Schiff 1* and *Mein Schiff 2*, not only prioritize comfort and safety but also the subject of environmental protection, which is firmly established in the corporate strategy. The sister ships are 20 meters longer than their predecessors, can each accommodate 2,894 passengers and, at the same time, show what modern environmental technologies are capable of – with regard to emissions reduction, for example.

New cruise terminal in Hamburg

Environmental aspects also played a role in the structural restoration of the new company headquarters in the Double-X building originally designed by star architect Hadi Teherani. Consequently, part of the construction measures involved an energy-saving renovation of the ventilation and air conditioning unit. In August, the just over 360 employees of the Hamburg company head office moved into the new building that has also been accommodating the headquarters of Hapag-Lloyd Cruises since the autumn and has thus become an important new cruise terminal in the Hanseatic city. Facilities available for TUI Cruises employees there include a separate fitness studio with training area, a parent/child room, attractive break rooms as well as various lounges and silent rooms.

TUI Cruises GmbH

Foundation: *as a joint venture of RCL and TUI AG in 2008*
Employees & Crew in 2017: *404 on shore, approx. 5,500 Mein Schiff crew members on board*
Concept: *Ships with Premium All-Inclusive Concept on 80 routes in the Caribbean, Mediterranean, Canaries, Orient, Baltic Sea and Baltic countries, Asia, Central and North America*
Ships in 2017: *six in operation, two under construction. In 2018, the new Mein Schiff 1 is entering into service. The previous Mein Schiff 1 will be handed over to Marella Cruises.*

TUI Cruises is planning to operate the world's most modern and environment-friendly cruise fleet by the year 2020.

ENVIRONMENTAL MANAGEMENT

TUI Cruises met 16 of the 18 environmental targets it had set itself for the year 2017. With nominations for three awards, external organizations also expressed their recognition for the company's high level of commitment to environmental protection.

Environmental protection is securely rooted in the corporate strategy of TUI Cruises and is subject to a process of continuous improvement. For 2017, the company had laid down 18 specific environmental targets as part of its environmental strategy. They refer to the strategic areas of climate protection and emissions reduction, conservation of resources, energy efficiency, sustainability within the supply chain, transparency of the environmental performance, promotion of environmental awareness among employees and guests as well as the involvement of interest groups. There were merely two targets from the field of waste and water consumption for which TUI Cruises was unable to fulfil completely. During the reporting year, the company met all other environmental targets and in some cases significantly surpassed them. In this connection, TUI Cruises also implemented a large number of projects and measures during the reporting year. For instance, the Environmental Management conducted strategic service provider audits in the fields of uniform production, media printing and crewing processes. This involved TUI Cruises making site visits to the respective service providers and evaluating them by means of questionnaires and open key questions on the issues quality and environment. During the current year, TUI Cruises will be continuing this process with additional strategic service provider audits.

External accolades

The efforts made by TUI Cruises in matters of environmental protection during 2017 also attracted attention outside of the company: at the GreenTec Awards, which have evolved into a significant environmental prize, the project initiated by TUI Cruises and the SECORE Foundation "Sustainable under water" secured a place among the top three. At the WTM World Travel Market, the company was honored in the Responsible Tourism Awards with a "Highly Commended" rating. And not least, the German Travel Industry Association (DRV) selected the TUI Cruises project for reducing food waste on cruise ships from a total of 21 projects as the winner of the sustainability award EcoTrophea 2017.

300,000
TICKET WALLETS

are issued by TUI Cruises to its guests every year. In 2017, the company developed a concept for cardboard wallets produced regionally in an environment-friendly and sustainable manner. In January, the wallets in the new design, which are produced in a workshop for the disabled, replaced the turquoise wallets in which guests had been receiving their documents for the previous ten years.

Leaders in Responsible Tourism 2017

Highly Commended
TUI Cruises

Outstanding! The EcoTrophea 2017 presented by DRV went to TUI Cruises.

TUI Cruises was chosen among the top 10 for the WTM Responsible Tourism Award.

EMISSIONS

Reductions in emissions and in atmospheric pollutants were again at the forefront of the efforts by TUI Cruises during the reporting year. And successfully so: the company clearly surpassed each of its reduction targets for the *Mein Schiff*® fleet.

69 PERCENT

fewer SOx emissions than in 2012 were recorded by TUI Cruises for the Mein Schiff® fleet during the reporting year. Within five years, average sulfur dioxide emissions have therefore decreased from 1.55 kg to 0.48 kg per person per overnight stay.

Contributing to this extremely positive result and hence to a more climate-friendly range of cruises are a reduction in the CO_2 emissions of 2.59 % per person per overnight stay, achieved through a lowering of the specific fuel consumption, and a significant decrease in emissions of atmospheric pollutants: per person and per overnight stay, NOx emissions fell by almost 6 % due to the systematic use of SCR (Selective Catalytic Reduction) technology. Continuous use of the hybrid scrubber produced a decline in specific SOx emissions of more than 20 % and in particulate matter emissions in excess of 10 %. In a 5-year comparison, TUI Cruises was able to halve the particulate matter emissions from 0.17 kg per person per overnight stay in 2012 to 0.08 kg in the reporting year. The SOx emissions during the same period even fell by more than two thirds.

Unrivalled in environment-friendliness

Successes such as this provide confirmation for the company in its constant efforts to operate the world's most environment-friendly fleet. They are also the reason behind the installation of hybrid scrubbers for exhaust gas cleaning on all newbuilds and above all behind the fact that TUI Cruises employs this technology around the clock on all routes and thus operates the world's cleanest cruise ships. As part of an additional and unique industry-wide self-imposed obligation, TUI Cruises uses the scrubber technology exclusively in closed mode on

EMISSIONS
Key figures

Energy:	**2016**	**2017**	**+/– Previous year**
Energy (fuel) consumption on board*	101,626.76 t	125,525.39 t	+23.52 %
Thereof, heavy fuel oil	90,102.73 t	114,925.14 t	+27.55 %
Thereof, sulfur-reduced heavy fuel oil**	0.00 t	0.00 t	–
Thereof, marine gas oil***	11,524.03 t	10,600.25 t	–8.02 %
Fuel consumption per person per overnight stay	19.63 kg	18.83 kg	–4.08 %
Emissions:			
CO_2 emissions (from use of fuel and refrigerants on board)*/****	325,257.22 t	407,956.16 t	+25.32 %
CO_2 emissions per person per overnight stay	62.83 kg	61.20 kg	–2.59 %
NO_x emissions per person per overnight stay	1.28 kg	1.21 kg	–5.47 %
SO_x emissions per person per overnight stay	0.61 kg	0.48 kg	–21.31 %
Particulate matter emissions per person per overnight stay	0.09 kg	0.08 kg	–11.11 %

* **Increase in absolute values due to growth in fleet.** | ** Heavy fuel oil with a maximum sulfur content of 1 %. | *** Marine gas oil with a maximum sulfur content of 0,1 %. | **** heavy fuel oil is equivalent to approx. 3.17 t CO_2. | Differences may occur due to rounding.

© Franz Neumeier

Once again it has been possible to achieve significant success in reducing emissions.

the Baltic Sea, which ensures that no used scrubber wash water at all is able to enter the sea.

In its goal to reduce emissions, one basic option still open to TUI Cruises is the use of liquefied natural gas (LNG) as a particularly low-emission type of fuel. However, as it will only be possible to implement LNG drive systems slowly in the next few years and only in the field of newbuilds, TUI Cruises is initially continuing along its chosen path involving the comprehensive use of exhaust filters to operate what is the lowest-emission fleet in the industry when viewed in its entirety. Nevertheless, the company will continue to closely observe the development of LNG drive systems for the cruise industry.

Energy management securely established

Where the shipping industry is concerned with reducing emissions and pollutants, energy management is a key component in the measures applied. Against this backdrop, TUI Cruises attaches great importance to energy-efficient ship operation. In the reporting year, the company together with its parent RCL arranged for the *Mein Schiff* ® vessels and other RCL ships to be certified to ISO 50001 for establishing systematic energy management, and thus became the first cruise fleet in the world to do so. At the same time, TUI Cruises created the position of an Energy Efficiency Manager who supervises all the internal processes relevant to this topic and acts as an interface between the on-board management, the TUI Cruises Environment and Ship Management and the RCL Energy Management Department. The aim is to link up the know-how of various departments in the two companies and, through the targeted establishment and expansion of available data and information as well as the cooperation with external offices, further optimize the energy efficiency of the entire *Mein Schiff* ® fleet over the long term.

EMMA

is the name of the software tool that provides support in decision-making to ensure energy and fuel consumption are optimized on all newbuilds in the Mein Schiff® fleet. The program compares and analyses the historic and current operating data for the ships and indicates potential for improvement.

ISO 50001

functions as an international standard for setting up systematic energy management. Together with the parent group RCL, TUI Cruises is the first company in the world that has been able to successfully certify a cruise fleet in accordance with the standard.

WASTE

Comprehensive waste management is one of the core constituents of environmental management at TUI Cruises. During the reporting year, the company achieved further successes in its continuous work on the avoidance of on-board waste and on optimization of the recycling rate.

In order to focus even more attention on the topic of waste treatment in the future, TUI Cruises created additional personnel resources in the Environmental Management Department in 2017. Although the waste generated per person per overnight stay rose by 2 % during the reporting period, TUI Cruises was nevertheless able to raise the recycling rate compared to the previous year by an additional 5 %. This means that the company now recycles almost one third of all waste on board or prepares it for recycling on shore.

Less food waste

Back in autumn of 2016, TUI Cruises joined forces with Futouris e. V. and United Against Waste e.V., an association that campaigns against food waste, to found the food waste project, which is designed to combat this problem on cruise ships. During the course of the pilot project, the company conducted two analysis phases in October 2016 and in June 2017 on board *Mein Schiff 4* and then trialed measures to reduce waste. After a third measurement in October 2017, the concluding evaluation of the results took place in December. These results demonstrate that TUI Cruises was able to reduce food waste by a total of 17.41 % due to the measures implemented.

> *Thanks to a successful pilot project, we reduced the quantity of food waste on Mein Schiff 4 by a good 17 % in the year 2017.*
>
> **Lucienne Damm**
> Senior Environmental Managerin

Against this backdrop, the company will be expanding the successfully tested measures to the entire fleet during the current year. The aim here is to organize the processes involved in the preparation, presentation and disposal of food on board the ships more efficiently in order to exploit the resources deployed to the best possible extent and thus avoid wastage. Furthermore, the package of measures is intended to reduce the use of resources and food waste across the fleet and raise awareness among both crew and guests with respect to the avoidance of

Table-top displays in the Anckelmannplatz main restaurant inform guests about the project to counter food waste and raise their awareness of this topic.

food waste. The fact that TUI Cruises will be making the results of the food waste project available to other companies as part of its cooperation project with Futouris e. V. was no doubt one of the reasons why the German Travel Industry Association honored the project with the EcoTrophea 2017 sustainability award.

Avoiding plastic

In 2015, the United Nations (UN) published an agenda for sustainable development up to the year 2030. It contains 17 targets known as Sustainable Development Goals (SDGs), which are intended to secure sustainable development on an economic, social and ecological level as political objectives of the UN. Of these goals, SDG 12 and 14, in particular, tackle the topic of waste. In accordance with these goals, TUI Cruises in close cooperation with the parent company RCL is placing one focus of current activities on the systematic reduction of plastic and single-use products on board the entire *Mein Schiff* ® fleet. To this end, the company started to systematically record all plastic and disposable items on board in 2017. At the same time, TUI Cruises is working on the measures to avoid plastic and is gradually implementing them throughout the fleet. One such measure in the reporting period is the switchover from individual packs to dispensers for care products in the cabins.

The introduction of reusable cups for the welcome drink on the pier and the replacement of plastic cocktail sticks by more environment-friendly wooden versions are also results of the program to reduce plastic waste. Since 2016, straws have only been available for cocktails and long drinks or on request. Instead of individual sachets for ketchup or mustard, the company now uses larger dispensers in its on-board restaurants. Even while purchasing, TUI Cruises considers the targets for plastic reduction. As the previous supplier of the hand disinfectants used on board does not offer a large container, the company changed supplier during the reporting year and now obtains its disinfectant in waste-saving 10-liter packs, which it uses to refill the bottles at the disinfection points. The changeover throughout the fleet means that TUI Cruises will save some 22,000 plastic bottles in this way during the year 2018 alone.

31 PERCENT

is the proportion of on-board waste that TUI Cruises has recycled or prepared for recycling on shore during the reporting year.

22,000 PLASTIC BOTTLES

is the quantity that TUI Cruises will save in 2018 due to the refillable system for on-board hand disinfection that was implemented during the reporting year.

WASTE
Key figures

	2016	2017	+/– Previous year
Total waste*/**	44,119.67 m³	57,904.62 m³	+31.24 %
Thereof, solid waste for landfill*	12,911.16 m³	15,421.75 m³	+19.45 %
Thereof, incinerated on board	12,364.68 m³	16,444.42 m³	+33.00 %
Thereof, shredded food waste	7,047.40 m³	7,284.40 m³	+3.36 %
Thereof, subject to special waste disposal	286.42 m³	708.31 m³	+147.30 %
Thereof, treated by thermal waste processing	2,462.25 m³	4,247.73 m³	+72.51 %
Thereof, recycled	9,047.76 m³	13,798.01 m³	+52.50 %
Proportion of total waste recycled and thermally processed*	26.09 %	31.16 %	+5.07
Waste per person per overnight stay*	8.52 l	8.69 l	+2.00 %

* Correction to the value reported in 2016 due to improved availability of data. | ** **Increase in absolute values due to growth in fleet.** | Differences may occur due to rounding.

BIODIVERSITY

Preservation and protection of the diversity of species and ecosystems are among the decisive targets for the environmental strategy of TUI Cruises. In the reporting year, the company demonstrated its commitment to biodiversity through various projects.

51,075 EUROS

was the amount of the overall sum of the Green & Fair donations program that TUI Cruises was able to hand over to the whale conservation association Pottwale e. V.

165 SHORE EXCURSIONS

are now available in the Green & Fair Program, through which TUI Cruises supports sustainable tourism in the destinations.

Within the scope of the shore excursions, TUI Cruises offers guests on the *Mein Schiff*® fleet the opportunity to experience the biological diversity of the destinations visited. Exotic animals in Central America, the breathtaking fjords of Norway or marvelous lagoons in Thailand – the conservation of these unique ecosystems is one of the key concerns of TUI Cruises. In order to protect such treasures of nature and enable guests to experience their diversity in the future as well, the company has developed the Green & Fair shore excursion program among other measures. Within this scheme, TUI Cruises not only offers especially eco-friendly excursions, but also helps to promote the conservation of species and nature at the destinations via the associated donations campaign with a direct local presence.

Record donations collected

The company successfully continued its Green & Fair donations program during the reporting year and in the 2016/2017 season set a new record by collecting the highest sum to date of €204,300, which benefits various environmental projects. Consequently, in 2017 TUI Cruises was able to support a coral protection project on Curaçao via the SECORE Foundation and sustainable whale watching on La Gomera via the association M.E.E.R. e.V. Money from donations for educational and whale conservation projects also went to the association Pottwale e.V. and the International Fund for Animal Welfare (IFAW).

Focus on Curaçao

TUI Cruises decided where the funds collected via the Green & Fair donations program will go in the 2017/2018 season during the reporting year. A large part of the money will go to the TUI Care Foundation, which supports initiatives such as GreenKidz on the Caribbean island of Curaçao. The project launched in 2015 initially instructed primary schoolchildren on how they can consciously deal with waste and also improved the local infrastructure for recycling in the tourism sector. Through the support of the company foundation, GreenKidz will be continued with further steps such as integrating information on recycling into teacher training at the University of Curaçao.

The GreenKidz consciously learn how to handle waste and improve the local infrastructure for recycling within the tourism industry.

WATER

Active protection of the oceans, comprehensive wastewater treatment and the resource-conserving handling of water were also defining factors in 2017 for how TUI Cruises managed what is the key element for the company.

Through these efforts, TUI Cruises was in fact able to reduce water consumption per person per overnight stay to 212.33 l. As the company now deploys four ships in winter regions with a very warm climate and a fundamentally higher water demand, it was not able to fully achieve the target it had set itself of reducing water consumption by 2 %.

Activities continued

In the reporting year, TUI Cruises increased its activities aimed at the protection of waters and economical use of fresh water. Among these activities, the company increased staff training in the field of housekeeping so that, for example, they would be more consistent in implementing the towel change policy in the cabins and thus reduce water consumption. The towels in the cabins of the *Mein Schiff* ® fleet are now only changed when the guest requests this by leaving them on the floor.

In 2017, TUI Cruises also maintained the proportion of fresh water it produces on board at a constantly high level of 78.51 %, thus avoiding any increase in ecological pressure in destinations where water is scarce.

Strict self-imposed commitment for wastewater

In the Baltic area, TUI Cruises continued the strict closed loop policy that has been in force for three years during the reporting year as well. Within the scope of this self-imposed commitment, TUI Cruises collects the wastewater generated by exhaust cleaning from all ships equipped with hybrid scrubbers and delivers it exclusively for disposal on shore. Furthermore, the closed-loop directive also applies worldwide to all ports as well as in coastal areas up to a distance of three miles from the shore.

300 CUBIC METERS

per hour of wastewater from ships is the capacity of the port reception facilities in Kiel opened by TUI Cruises Captain Kjell Holm in June 2017. The ultramodern plant represents a tenfold increase over the ports previous intake capacity. As a member of the Cruise Lines International Association (CLIA), TUI Cruises has undertaken to dispose of all wastewater in the Baltic Sea on shore provided that suitable port reception facilities are available.

WATER
Key figures

	2016	2017	+/– Previous year
Total water consumption*/**	1,101,407.70 m³	1,415,348.00 m³	+28.50 %
Thereof, fresh water consumed	242,462.70 m³	304,223.00 m³	+25.47 %
Thereof, treated seawater consumed	858,945.00 m³	1,111,125.00 m³	+29.36 %
Consumption per passenger per overnight stay*	212.75 l	212.33 l	–0.20 %
Wastewater:			
Untreated blackwater*	2,087.75 m³	116.10 m³	–94.44 %
Untreated greywater	1,260.00 m³	4,886.10 m³	+287.79 %
Treated greywater and blackwater*	897,804.40 m³	1,335,334.67 m³	+48.73 %

*Correction to the value reported in 2016 due to improved availability of data. | ** **Increase in absolute values due to growth in fleet.** | Differences may occur due to rounding.

NEWBUILDS

During the last ten years, TUI Cruises has constantly been on a growth course and has put one new ship into service each year since 2014. Now the company is heading along the home straight with the two last newbuilds for the time being. However, plans have already been laid for the next newbuild: 2023 will see the arrival of *Mein Schiff 7*.

Two sister ships are currently under construction at the Meyer Werft shipyard in Turku. The new *Mein Schiff 1* will replace *Mein Schiff 1* in 2018. As has been the case with the previous four newbuilds, TUI Cruises is focusing here on the strict standards for environment-friendly ship operations. Consequently, the new *Mein Schiff 1* will have extended capacities for sailing in what is known as the closed-loop mode. In accordance with the zero-discharge principle, this means that the scrubbers from the exhaust gas treatment system do not discharge any used scrubber wash water overboard but instead dispose of it exclusively on shore.

State-of-the-art environmental technology

The International Maritime Organization (IMO) has defined particularly stringent NO_x limit values for ship newbuilds in specified Nitrogen Emission Control Areas (NECAS) off the North American coast. Equipped with a main engine that is completely compliant with TIER III, the new *Mein Schiff 1* fully meets these criteria. In other areas too, TUI Cruises relies on environment-friendly technologies in newbuilds.

Use of sustainable materials

On the interior of the new number one as well, TUI Cruises is setting environment-friendly standards. In the previous newbuilds, the company had already paid attention to the use of sustainable materials for the interior fittings and, for example, employed wood from responsible forest management for all installations in the cabins as well as numerous natural materials such as wool and cork. In the current newbuild, TUI Cruises is taking another major step and is changing all textiles in the guest cabins, ranging from the bed linen and towels to the bath robes, over to organic cotton, which has been produced in accordance with the especially strict GOTS criteria with respect to cultivation and processing. The cotton for the bed linen additionally has Fairtrade certification. Fair trading conditions allow cotton producers in the countries that grow the product to invest in a sustainable future.

Furthermore, the commissioning of *Mein Schiff 1* will see the introduction of a concept for changing bed linen that enables guests to use the bed linen for a longer period and avoid unnecessary laundry. This saves water and energy. The concept is to be expanded throughout the fleet.

22

KEY CRITERIA

are contained in the requirements list of the Global Organic Textile Standard (GOTS), which is recognized as the leading standard worldwide for the processing of textiles from organically produced natural fibers. Along the entire production and supply chain, it defines demanding, regulations for environmental technology and social aspects.

20 METER

is the increase in length of the new Mein Schiff 1 and Mein Schiff 2 over their predecessors. The ships thus offer passengers even more space for that well-being experience.

COMMITMENT

Through donations together with involvement in various initiatives, the voluntary commitment to social interaction and protection of the environment at its locations and destination again formed an established part of the TUI Cruises activities.

Every year, the company supports a local project proposed and selected by employees through the TUI Cruises sponsorship. During the course of a year, employees and guests collect money for a good cause via various campaigns at trade fairs and internal events. In this way, a sum of €50,000 came together for Hamburg's Ankerland e. V. during the reporting year. In the city of Hamburg the association operates the first intensive therapy center in Germany for severely traumatized children and adolescents. In the reporting year, employees selected the organization Hamburger Hospiz e. V., which since its foundation has been successfully campaigning for the statutory financing of hospice work for in-patients, has founded a hospice for in-patients and has developed out-patient hospice work along with an advisory office.

Brochure on climate protection in the travel industry

Senior Environmental Manager Lucienne Damm represents TUI Cruises as an active member of the DRV sustainability committee. In the reporting year, the committee published a comprehensive brochure on the subject of climate protection in the travel industry, which clearly states the responsibility and contribution of tourism to climate change and presents already implemented climate protection measures and projects by member companies. Through the best practice brochure, the DRV is giving its members suggestions for active climate protection.

Handbook of sustainable food

The members of the sustainability initiative Futouris are committed worldwide to the improvement of living conditions, the conservation of biological diversity as well as the protection of the environment and climate. TUI Cruises joined the initiative in the year 2010 as the first cruise company and has been actively participating in various projects since that time. Senior Environmental Manager Lucienne Damm is Vice Chairwoman of the association. During the reporting year, as part of the project "Sustainable Food – Guest Communication", Futouris produced a manual on the use of sustainable dishes. Published in January 2018, the guideline gives catering outlets 14 communication tools with which they can inform their guests about where the products come from and thus foster the consumption of sustainable and regional food products.

1,250

HOURS OF THERAPY

for severely traumatized children and adolescents is what Ankerland e. V. is able to offer due to the donation of €50,000 financed from the TUI Cruises sponsorship of the year in 2017.

3 KEY TOPICS

have been defined for the coming year by the Sustainability Committee of the German Travel Association. Members of the committee will therefore be working especially intensively on the issues of child protection, human rights and climate protection.

The practical manual on Sustainable Food published by Futouris presents clearly illustrated recommendations of more sustainable food options for business operations within the tourist industry.

ENVIRONMENTAL TARGETS

TUI Cruises has placed one focus on the topic of waste for the year 2018. Not only is the project to reduce food waste being expanded to cover the entire fleet, but plastic products on board are being systematically recorded so that options for sustainable alternatives can be examined.

Area	Target 2018	Deadline
Environmental management	Conduct at least 2 supplier audits with the focus on environment and quality	End of 2018
	Continue the measures for reducing print products and paper consumption	End of 2018
Emissions	Reduce the fuel consumption per person per overnight stay by 4 % compared with 2017	End of 2018
	Reduce the CO_2 emissions per person per overnight stay by 4 % compared with 2017	End of 2018
	Reduce the SO_x emissions per person per overnight stay by 5 % compared with 2017	End of 2018
	Reduce the air pollutants NO_x and particulate matter compared with 2017	End of 2018
	Compensate CO_2 emissions caused by business flights	End of 2018
Waste	Increase the proportion of waste recycling compared with 2017	End of 2018
	Reduce the quantity of waste per person per overnight stay by 2 % compared with 2017	End of 2018
	Roll out the project "Reduction of food waste" and the measures involved to cover the entire *Mein Schiff* ® fleet	End of 2018
	Audit at least one waste disposal company with respect to a recycling ratio of 100 % in relation to the waste deposited in the port	End of 2018
	Carry out a comprehensive program of plastic reduction on board the *Mein Schiff* ® fleet	End of 2018
Biodiversity	Draw up guidelines for the shore excursions department on the subject of species protection when selecting shore excursion offers	End of 2018
Water	Introduce the change of bed linen concept to reduce the quantity of laundry on board the *Mein Schiff* ® fleet	End of 2018
	Reduce the water consumption per person per overnight stay by 2 % compared with 2017	End of 2018
Newbuilds	Introduce sustainable textiles (organic cotton and, where possible, from fair trade) on the new *Mein Schiff 1* (bed linen, bath robes, towels)	End of 2018
	Equip the future newbuild vessels with an exhaust gas treatment system	End of 2018
Commitment	Support local environmental organizations through the donations generated in the Green & Fair shore excursions	End of 2018

This is not an exhaustive list because many smaller and internal environmental targets and measures can no longer be included here due to reasons of space.

FURTHER INFORMATION

Communicate with us

Any suggestions or criticism? The TUI Cruises Environment Team will be pleased to deal with any feedback and queries you may have concerning this environmental report and its contents. Contact us via: **umwelt@tuicruises.com**

About this report

Our responsibility does not merely cover the contents and design. It also extends to the production of this environmental report (print version). This is why we have taken the conscious decision to use only **100% recycled paper** for the cover and inside pages. In addition, we have completely refrained from using adhesives (e.g. in the binding and cover design) and have only employed environment-friendly printing inks, which are water-based and free of mineral oils.

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