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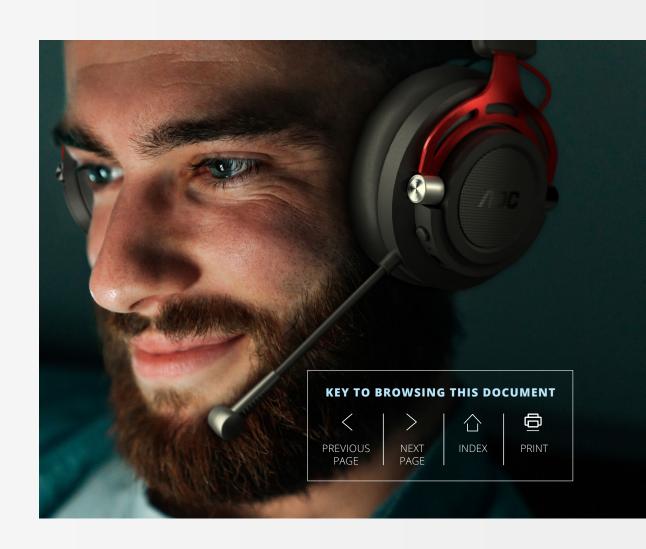
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## MESSAGE FROM THE DIRECTOR **MARKETING AND BUSINESS MANAGEMENT**

#### Dear reader,

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We are delighted to share this fourth CSR & Sustainability report with you, to document and share our progress, pivots and accomplishments during 2021. Another year of exciting challenges has pushed us at AOC and MMD to evolve even further. The pandemic has challenged us to change the way we work and think: as individuals, teams, a company, and a society as a whole. We are proud and grateful to every single one of our employees who kept our ship moving.

As a display manufacturer, our business was naturally shaped by the ongoing shift to working from home and hybrid working models.

To enable and empower companies and workers in all businesses to stay connected and productive in these times, we regard it as our primary duty to put our minds to creating even better technology. Marrying technological advances with sustainable design processes has again been a main goal in 2021.

Our teams dedicated themselves to putting even more effort into creating more sustainable products, eco-friendlier packaging solutions, more transparent supply chains, and circular thinking during the entire product lifecycle.

We also dedicated more efforts towards our selected UN Sustainable Development Goals (SDGs).

As always, we regard our efforts in CSR and sustainability as a process, and one on which we can continue to build and improve.

This report documents our efforts. As a company, we are excited for the future and how we will be able to shape it. That being said, we are always open for feedback and appreciate constructive criticism and ideas.

Stay safe and creative,

#### Stefan Sommer

Business Development Director at TPV (AOC & Philips Monitors, IT Accessories)



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**APPENDIX** 



## **2021 OVERVIEW**

#### ISO 50001

With AOC & MMD being located in the Netherlands, we are obliged by the Dutch government to execute an EED-energy audit on a regular basis. We received the certificate for our office in Amsterdam in February.





#### **ECOVADIS**

EcoVadis is an evidence-based online platform, providing supplier sustainability ratings that allows companies to assess their ESG performance. Based on the 2020 CSR Report for TPV we received a Bronze EcoVadis rating.

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#### **HUMAN RIGHTS**

As a global company with several production facilities in foreign countries and long supply chains, we care deeply about Human Rights. To formalise our Human Rights policy, AOC & MMD teamed up with TPV to publish a Human Rights policy for the whole company.



#### VIRTUAL LONDON **10K WITH SPECIALEFFECT**

SpecialEffect is a charity based in the United Kingdom which helps physically disabled people play video games. Among other projects, the organisation works with developers to create specialised game control devices and implements eye movement interfaces to make games more accessible for physically impaired players. To raise money and create awareness for this charity we participated in the Virtual London 10K in July.



#### WORKSHOPS **CIRCULARITY**

Circularity is becoming an increasingly important topic for us as a company. In order to raise awareness within the workforce, we organised several workshops regarding revenue models and circular design as well as circular brand leadership. The workshops gave all participants more insights about our current status and we were able to



#### **CLOSING THE** LOOP AND MMD

To go a step further, Philips monitors initiated a collaboration with Closing the Loop, a global provider of green procurement services, and TCO Development, the organisation behind the world's leading IT sustainability certification TCO Certified, in a pilot project to sustainably reduce monitor waste. Philips monitors supports a project that expands a certified solution that makes electronics waste-neutral to include monitors, setting new standards for the industry as the demand for green procurement is rising.

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#### ISO 14001

AOC and MMD passed the external ISO 14001 audit and we received the certificates for our office in Amsterdam. ISO 14001 specifies the requirements for an environmental management system that an organisation can use to enhance its environmental



AOC is one of the first manufacturers of displays to receive the TCO Certified, generation 9 certification. With 34 businessfocussed monitor models certified with TCO Certified, generation 9, AOC has the third largest portfolio accredited with this



## FINANCIAL & NON-FINANCIAL HIGHLIGHTS

			the second secon
		2020	2021
FINANCIAL	Net turnover AOC	€309.386.526	€294,819,651
	Net turnover MMD	€362.904.418	<del></del> €394,692,735
	Sold monitors AOC	2.857.677	2,260,858
	Sold monitors MMD	3.050.699	2,462,147
	Sold displays MMD	85.337	105,700
PRODUCTS	Total number of 'Green monitors'	3	2
	Manufacturing sites	6	7
MOTHER COMPANY	Ultimate shareholder	TPV Technology Limited	TPV Technology Limited
PEOPLE	Total number of employees	124	114
	Total number of training hours per person	11,63	10
	Male-female ratio	70/30	73/27
COMMUNITY	Partnerships to strengthen communities	4	4



# BUSINESS MODEL AND BRANDS

AOC & MMD provide monitors and displays that deliver our clients an outstanding experience, no matter the purpose of use. Our mother company TPV forms joint ventures with key component makers to secure stable supply and enhance cost structure.

The TPV group is licensed to sell Philips brand TVs worldwide, with the exception of United States, Canada, Mexico and certain countries in South America. Separately, the Group is licensed to sell Philips brand monitors globally. Philips' strong brand recognition, R&D capabilities, and innovative products further seal TPV's strong foothold in the display market. The two-pronged business model, Original Brand Manufacturing (OBM) and Original Design Manufacturing (ODM), broadens market reach and allows more efficient utilisation of resources.





Monitors











Figure 3: Product market combinations MMD



## A NEW ERA: AGON **BY AOC UNIVERSE**

In recent years, and even more so during the pandemic, the gaming sector has grown tremendously. During lockdowns and continued working from home schemes, (online) gaming quickly became a lifeline for many across the globe.

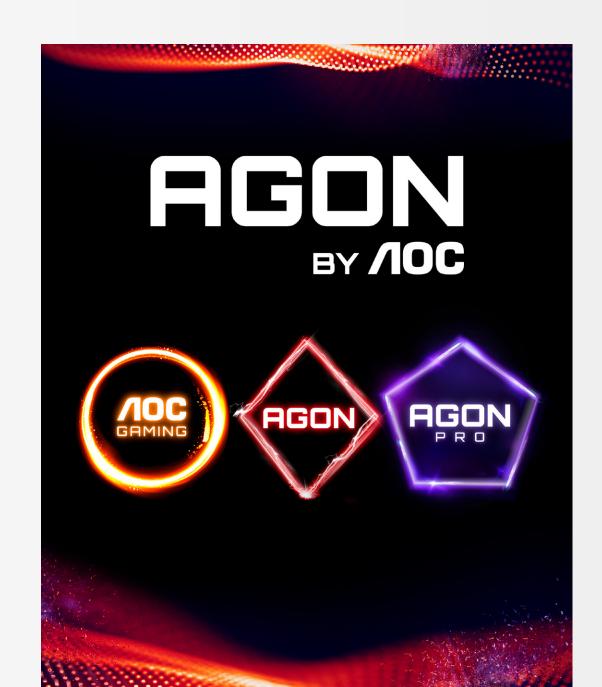
In 2021, leading manufacturer of gaming monitors and accessories, AOC, repositioned its entire gaming portfolio elevating itself from a gaming hardware producer to the creator of a whole gaming universe – represented by its growing gaming ecosystem and creating a new gaming brand: AGON by AOC, and three sub-brands, AOC Gaming, AGON and AGON PRO under one umbrella.

With AGON by AOC gamers are introduced to an immersive experience no matter their skill levels or the game genres they prefer.

Dedicating itself even more to serving gamers worldwide, AGON by AOC is committed to create the best gaming ecosystem from mice to monitors for MMORPGs, racing games, simulations or FPS games – for curious adventurers, experienced heroes and professional legends.

Stefan Sommer comments: "The gaming industry and the esports sector in particular belong to the fastest growing technology markets – and the most exciting ones for sure. We were very proud to share our new brand concept and vision with this unique community. AGON by AOC surely continues to raise the bar when it comes to gaming ecosystems – and elevates the game of many more players around the world."

As a part of this new concept, AGON by AOC extended its portfolio significantly, while staying true to its core value of providing value to gamers of every level.



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## **MONITORING SUSTAINABILITY** IN THE IT SECTOR

An interview with Stefan van Sabben and Artem Khomenko

In the fast-paced IT sector, sustainability and e-waste are becoming more and more crucial for the development of businesses. As a manufacturer, MMD, understands that the company holds a lot of responsibility and has the vision to tackle this issue holistically. We had a chat with Stefan van Sabben, MMD's Global CSR and Sustainability Senior Manager, and Artem Khomenko, Head of Product Development AOC & MMD, to speak about sustainability, research, and waste reduction.

Sustainability plays an increasingly important role in modern companies. **How does Philips monitors/ MMD** approach this topic?

**Stefan van Sabben:** We believe that the whole industry needs to fundamentally rethink product development and business models. The increased concern for sustainability also reflects demands from consumers, who want to invest in products with longer lifespans, are repairable and recyclable, and impact the environment the least amount possible. Most importantly, the driving force for this change should come from the companies and their respective workforces themselves. And that's how we're approaching this subject.



TPV's intrinsic motivation to play a key role in this change process is reflected in all our employees, from top management positions to the intern. Therefore, we're taking a holistic approach. We're improving existing portfolios to be more environmentally friendly, from sourcing sustainable materials used to create our products to using less packaging and less plastic to reduce waste. Moreover, we're training our product design teams to create more sustainable products from scratch. By working with partners such as Closing the Loop (CTL), PACT, and ForestNation, we're thinking about the entire product cycle, from the very beginning of the supply chain – the mining of minerals – to what happens to the product after the end of its lifespan, as it turns to e-waste.

#### Is enough being done for sustainability in global IT/consumer electronics?

Stefan van Sabben: It requires an enormous amount of work and a continuous effort to change the world to be more sustainable, and all players in IT and consumer electronics need to dedicate themselves more to this development.

The fast pace of technology naturally results in new products being developed in the IT/CE sectors much more frequently than any other industry. This both complicates and stimulates the need to produce more sustainable products.

Right now at TPV, we've been increasing our use of recycled plastic in our products instead of using newly-made plastics. Our packaging now includes less plastic and more paper. We're also experimenting with new materials. Further, in order to establish holistic systems, we are now starting at the very base of the product cycle by introducing circular thinking (reduce, reuse, refurbish, repair and recycle) into our design and production processes.

This will generate more comprehensive results, such as reducing the overall energy and material consumption during manufacturing, producing longer lasting or upgradable products, using recycled and recyclable (bio-based) materials and reinventing our business models to add services to match these ambitious goals.



#### **Electronic waste is a pressing** problem. As one of the leading monitor manufacturers, how do you tackle this issue?

**Stefan van Sabben:** Computer monitors contain pretty small circuit-boards and are therefore generally considered hardly worth the effort of recycling. In our pilot project with Closing the Loop (CTL) and TCO Development we aim to support the reduction of reduce monitor waste. This project aims to ensure traceability, shipping, and safe recycling of the collected waste, while a research institute (Öko-Institute e. V.) will focus on environmental and social risks. With this project, a certified recycling process will be established, setting new sustainability standards for the monitor industry.





#### How does sustainability influence MMD's portfolio and design processes?

**Artem Khomenko:** It is now common in the CE/IT sector to have a Cradle to Grave (C2G) product lifecycle – all products, once introduced to the market, will ultimately end up as waste. Our goal is to overthrow this one-way lifecycle and transform it to a Cradle to Cradle (C2C) process.

Right now we are introducing circular thinking and sustainable ideas in our entire company strategy, resulting in new products with more sustainable designs, features and packaging.

For instance, by incorporating sustainable ideas into the design processes we created a new bezel design that requires drastically less plastic compared to previous designs.

Beyond this, we focus on aspects that make working more convenient by creating more monitors that feature USB-C technology, which makes many additional cables become obsolete and thus reduces e-waste.



As part of our green goals we are setting up a roadmap to convert all packaging from EPS foam to paper cushion and to further reduce plastic materials in our packaging, such as wires, plastic bags and CD-ROMs.

For B2B monitors, we are switching entirely to brown cardboard boxes with more simple prints, saving valuable resources and paving the way for improved recycling of the used materials.



#### Which features of Philips monitors help users to work efficiently and more sustainability?

**Artem Khomenko:** In terms of sustainability, first and foremost our products have been designed with a sustainability perspective before their production. We are also proud to be one of the first display manufacturers on the market with products that received the sustainability certification TCO Certified 9.0. In fact, with 64 monitors carrying this designation, we have one of the largest portfolios of models on the market accredited with TCO Certified 9.0.

The most obvious examples of our commitment are our "greenest" monitors to date, the 24" 242B1G and the 27" 272B1G. These models are equipped with a new LED backlight technology. Thanks to this, they can maintain brightness and colour consistency whilst using significantly less energy, reducing energy consumption, and prolonging the lifetime of the model.

The 24" model only consumes 8.6 W in Eco mode and just 12.8 W typically with the EnergyStar testing method. With the new categorisation of Energy Label classes in the EU starting from 2021, the 242B1G is rated class C, which only a small subset of monitors on the market were able to achieve. Both models are of course full of the green features that we're already implementing in the rest of our portfolio.

We use zero plastics and no harmful chemicals in the packaging of our green models, and we're increasingly expanding this "green and sustainable" thinking to our entire portfolio.

For example, the majority of our business models are made from 85% post-consumer recycled plastic and the casing of our monitors is PVC/BFR free. The packaging material we use is also 100% recyclable and, soon, we will transition to packaging with only single colour and ink for all B2B models, which will further reduce costs and allow better recycling.

We equip many of our B2B models with PowerSensor and LightSensor features, which use infrared sensors. The former reduces the brightness when it detects no one is sitting in front of display.

While the LightSensor, in comparison, is a feature that increases the users' comfort, adapting the brightness of the screen according to the ambient light it senses.

Moreover, many monitors in our portfolio fulfil multiple regulations, including EnergyStar 8.0, EPEAT, TCO Certified Edge and TUV Eye Comfort, and more. Additionally, our monitors are mercury-free and RoHS-compliant. In most of our business models, we also have a physical power switch, so the monitor will draw zero power from the mains when turned off.

Finally, by integrating many features in the monitor itself that are essential to many businesses, such as a webcam, USB hub, KVM switch etc., we reduce further e-waste by eliminating the need for additional dongles, hubs and such products.



## **FUTURE-PROOFING AOC AND PHILIPS MONITORS**



In a world where natural resources are getting scarcer, and environmental pollution has led to dramatic climate change effects, every company in product development and manufacturing has to review its approach. AOC and Philips monitors are committed to change their approach to realise a more sustainable product life cycle, from product design to manufacturing and after care.

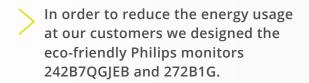
Being a company in the IT sector, we always need to balance business benefits (customer value) with societal benefits (ecological value). We believe that this is a significant driver for innovation. Therefore, by continuously keeping this trade-off in mind, we can build a healthy and growing business and at the same time making a positive impact on the planet.

As stated before, sustainable thinking has been introduced in all steps of the product development process – from designing new and more eco-friendly packaging solutions to creating designs using less plastic – and of course, choosing components that meet our increased requirements.

In 2021, we implemented this sustainable focus further by introducing low power FHD panels, paper cushioning for 23,8" and 27" screens, using less ink on B2B models' packaging and achieving trustworthy certificates with our products, such as the EPEAT Gold standard.

These steps are just the beginning and will be implemented throughout our entire AOC and Philips monitors product portfolios, learning and improving along the way.

In the end, this mindset change does not only help the planet, but also people by supporting a healthier environment in general, and by creating an attractive, sustainable workplace that is forwardthinking and flexible to react to changing regulations, industries, consumer demands and more.



These monitors have a PowerSensor and LightSensor which will can lead to 80% less energy usage. PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present, and automatically reduces monitor brightness when the user steps away from the desk, cutting energy costs by up to 80% and prolonging monitor life. LightSensor uses a smart sensor to adjust the picture brightness depending on the light conditions in the room for the perfect picture with minimal power usage. In this calculation we used the AOC 24P2 as monitor without PowerSensor and LightSensor, and the eco-friendly 241B7QGJEB and 272B1G of Philips.





PILLAR	SHORT-TERM GOAL (2021)	MID-TERM GOAL (2023)
ENVIRONMENT	■ Development of the doggy door compartment that can extract EU power cables for goods shipped to UK and the	Implementation of brown boxes for basic, essential pro, value and pro line.
	Swiss market. This will reduce all the unnecessary EU power cables in those two countries which they cannot use.	■ Brown boxes for B2B and B2C mouse and keyboards.
	Implementation of the removal of the plastic bags of cables. Labels will be placed on the accessory cable which was originally attached on the plastic bag.	From polyfoam to cardboard packaging throughout selected B2B models.
	■ Removing of installation CD-ROM on selected B2B models.	
	■ Introduction of less ink on packaging for AOC B2B models.	
SOCIAL INVESTMENT	■ Further development of TPV e-learning system.	Partnership with at least 4 NGOs with a clear link to our
	■ Implementation of Activity Based Working concept.	products, material topics and SDGs.
GOVERNANCE	■ Development of Science Based Targets with TPV.	<ul><li>Development and implementation of Human Rights policy,</li></ul>
	■ Development of a new business travel policy.	including the UK Modern Slavery Act with TPV.
	Key: ■ Done ■ In progress	

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## **SUSTAINABILITY MATRIX PHILIPS MONITORS**

In addition to focusing on new approaches and ideas that help us introduce more sustainability to our business and our products, it is also important to keep track of what has already been accomplished.

As a comprehensive overview for our teams, partners, and customers, we created a sustainability matrix, highlighting the most important sustainable features and elements of key products of our Philips monitors portfolio. With consumers making more informed choices in terms of sustainable CE products, this is a valuable tool to support this new kind of decision making.

Please click here for the full sustainability matrix.



PRODUCT

#### Philips monitors product sustainability overview

Philips monitors invests into the future - by advancing sustainable technology solutions and supporting holistic organisation to promote future-oriented practices in the CE industry.

DACKAGING

PRODUCT	FEATUR	RES					CERTIFI	CATIONS						PACKAG	ING		
	Power Sensor	Light Sensor	Post- consumer recycled plastic 85%	PVC/ BFR free housing	Halogen Free	Mercury free	EnergyStar 8.0	EPEAT (Silver or Gold)	RoHS	TCO Certified	WEEE	ECMA-370	Product Carbon Footprint (PCF)	Cardboard packaging	CD-ROMs removed	100% Recyclable packaging material	Cables packed without plastic bags
243B9	•		•		•	•	<b>*</b>	Gold	•	*	- <b>*</b>	*	•	•	<b>*</b>	<b>*</b>	2022 2H
275B1	•	•	•	*		•	4.	Gold		<b>→</b>		*	<b>*</b>		4.	*	
345B1C	•	*		*	<b>→</b>	*	4.	Silver		•		*	<b>*</b>		4	*	
222B1TC				*	<b></b>	*	4.	Silver		<b></b>	4.	<b></b>	<b>1</b>		4.	*	
242B1TFL		-		*	*	*			*		*	*			4	*	
172B9TL				*		*	*	Silver		*		*	<b>*</b>		4.	*	
242B9TN	_			*		*	4.	Silver		•		*	•		4.	*	
222B9T				*		*	*	Silver	*	*	*	*	<b>1</b>		*	*	
24351			•		<b></b>		4.	Gold		<b></b>	4.		•		4	<b>*</b>	2022 2H
222S1AE			•	*	<b></b>	*	4.	Silver		<b>*</b>		*	<b>*</b>	•	4.	*	2022 2H
221S8LDAB	_		25%	*		*	4.	Silver	*	*	*	*	•		4	*	
220V8L5				*							4.				2022 2H	*	
241V8LA				*		•									2022 2H	*	
271V8L				•		*			•		•				2022 2H	*	

CEPTIFICATIONS

#### Support of organisations and sustainable projects

Philips monitors strives not only to continuously optimise the product portfolio in terms of eco-friendly soutions. Philips monitors further supports a number of organisations to change the CE sector - because together we are stronger



▶ Forestation project in Tanzania







▶ PACT conflict minerals to sustainably obtain resources

## **OUR SOCIAL INVESTMENT**

17 goals, 169 targets: The Sustainable Development Goals (SDGs) aim to end pressing global issues such as poverty, inequality, and climate change. Further, the SDGs are meant to protect and nurture the planet and the well-being and prosperity of all people by 2030.

In 2020, AOC and MMD decided to focus especially on SDG 3 (Good health and wellbeing), 8 (Decent work and economic growth), 12 (Responsible consumption and production), and 13 (Climate action).

Building on our activities in 2020, we also continued to contribute to various charities and foundations that are closely linked to our SDG selection, our values, and our brands.







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CARE FOUNDATION

**CASE STUDY** 

## EYE CARE FOUNDATION

On the 14th of October 2021, we celebrated World Sight Day together with our new CSR-partner Eye Care Foundation. World Sight Day is an annual day of awareness to focus global attention on vision impairment, including blindness. Eye Care Foundation is an international charity organisation founded in Amsterdam and is active in countries in Asia and Africa. Born out of the need to help and establish good and affordable eye care in developing countries, Eye Care Foundation is completely focused on helping those for whom good medical care is inaccessible or unaffordable to prevent and cure avoidable blindness and visual impairment. AOC & MMD supported a training project for community health workers in Vietnam at the end of the year. The overall goal of this project is to increase the access to eye care services and contributing to the reduction of avoidable blindness in Vinh Long province.

https://eyecarefoundation.eu/



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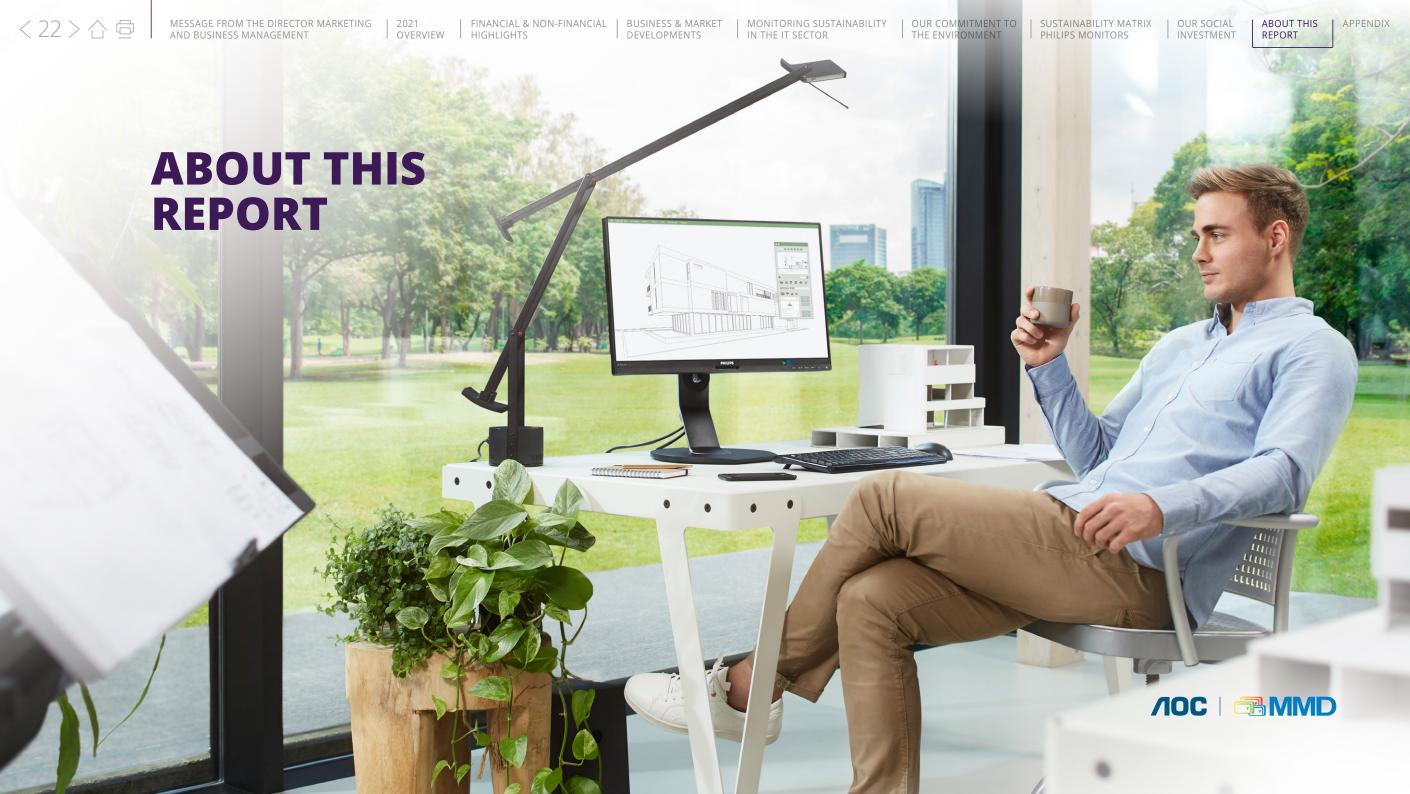
#### **CASE STUDY**

## SPECIAL EFFECT

SpecialEffect is a charity based in the United Kingdom which helps physically disabled people play video games. The organisation works with developers to create specialised game control devices as well as to make their games more accessible. The ability to play video games, now seen as an almost universal pastime, can help improve the mental health of disabled people who otherwise could not play them. AOC helped to build a fully accessible gaming room with multiple setups and we sponsored several events like One Special Day and GameBlast.

https://www.specialeffect.org.uk/







# ABOUT THIS REPORT

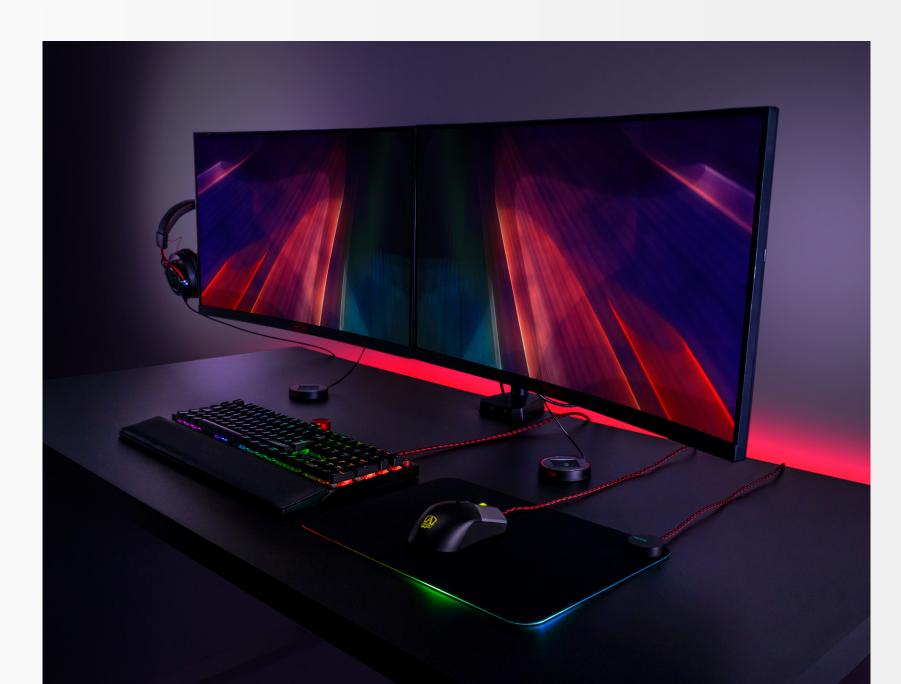
Thank you for reading AOC & MMD's CSR & Sustainability Report. The report covers key activities and accomplishments during the fiscal year 2021, 1 January 2021 through December 31 2021.

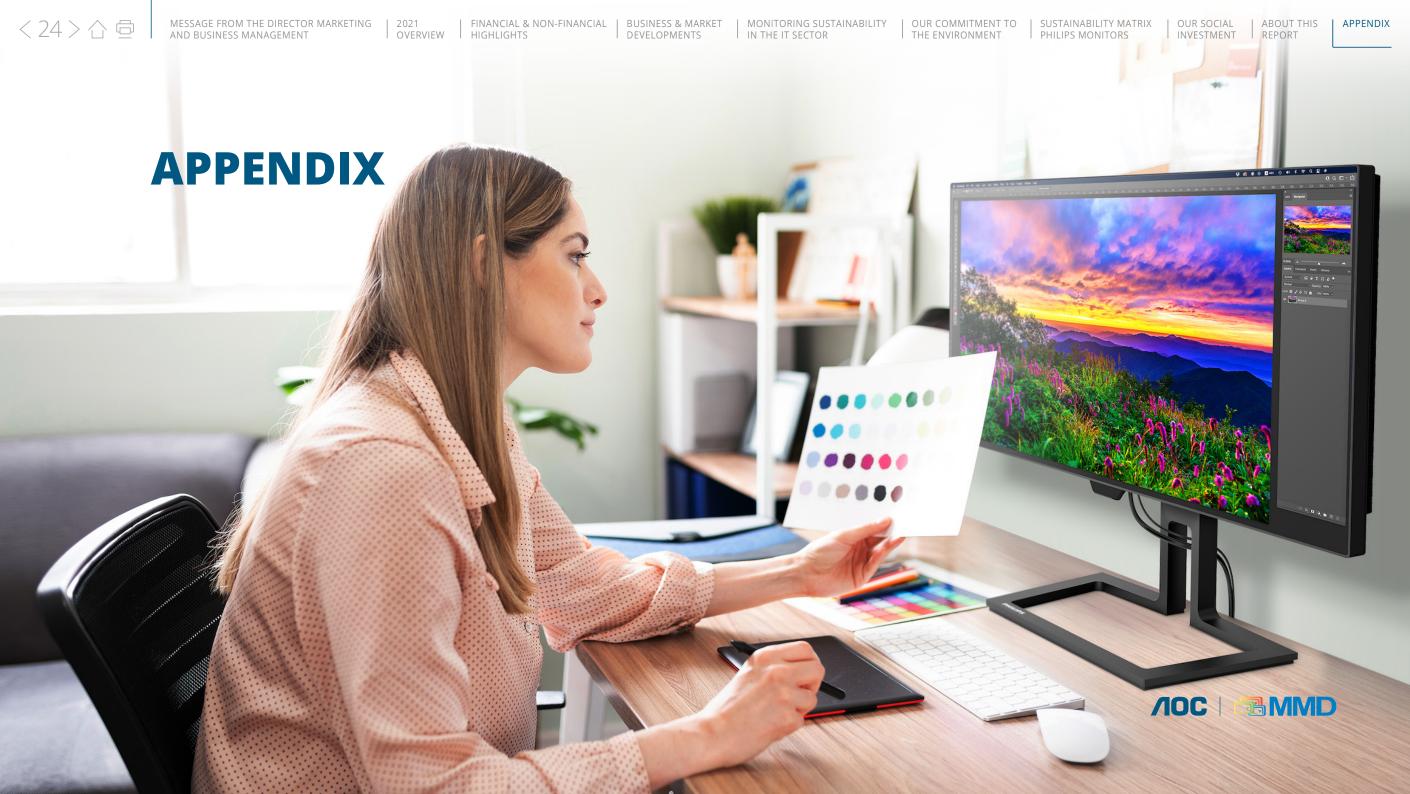
We report annually on our efforts, and this year by means of an update report.

In case of any questions regarding this annual report, please send an email to; stefan.vansabben@tpv-tech.com

#### **SCOPE OF REPORT**

- 1. AOC International (Europe) B.V.
- 2. MMD-Monitors & Displays Nederland B.V.







# AOC & MMD OVERALL CO2E DATA AND PRODUCT TRANSPORTATION GHG EMISSION TARGET

	UNIT	SCOPE 1 + SCOPE 2	SCOPE 3 PRODUCT CARBON FOOTPRINT	SCOPE 3 SUPPLIER GHG	SCOPE 3 FREIGHT GHG	TOTAL TONNES CO2E
2020	Tons CO2e	411				954,862
2021	Tons CO2e	449	891,320	82,584	33,483	1,007,836

AOC & MMD has started to cover product carbon footprint, freight carbon footprint from 2020. Comparative 2021 GHG CO2e is a little bit higher than 2020 since in 2021 we have also more EPEAT registered models involving such GHG calculation.

For freight GHG reduction, AOC & MMD will partner with the carrier suppliers to reduce product transportation GHG emissions by 20% by 2030, which we will make efforts as below:

- 1. To increase slip sheet packaging percentage
- 2. We select our suppliers not only on price but also on GHG emission intensity
- 3. To improve product design as promoting more slim and light products
- 4. We will stimulate our freight suppliers to move from train and airfreight shipment to ocean freight



## 1. 2021 CO2 EMISSION OF AOC & MMD ENTITIES

AC	TIVITY	MMD MONITORS & DISPLAYS NEDERLAND B.V. AOC INTERNATIONAL (EUROPE) B.V. NETHERLAND	ENVISION PERIPHERALS, INC USA	MMD SINGAPORE PTE. LTD. SINGAPORE	TPV TECHNOLOGY INDIA PVT. LTD INDIA	MMD (SHANGHAI) ELECTRONICS TECHNOLOGY CO., LTD. SHANGHAI	WUHAN ADMIRAL TECHNOLOGY LTD WUHAN	OVERALL
			<del></del>		- <del></del>	<u></u>		
	Natural Gas Stationary Combustion	11.07	6.65	0	0	0	24.94	42.66
SCOPE 1 (TONES CO2E)	Petrol Mobile Compubstion	4.03	0	0	0	0	12.8	16.83
	Scope 1 Direct Emissions	15.1	6.65	0	0	0	37.74	59.49
SCOPE 2	Purchased Electricity	2.15	30.58	38.1	28.4	196.99	93.75	389.96
(TONES CO2E)	Scope 2 Indirect Emissions	2.15	30.58	38.10	28.40	196.99	93.75	389.96
GHG NET EMISSION	ONS	17.25	37.23	38.10	28.40	196.99	131.49	449.45



## 2. 2021 AOC & MMD ENTITIES RELATED ACTIVITY

ACTI	VITY	MMD MONITORS & DISPLAYS NEDERLAND B.V.			TPV	MMD (SHANGHAI)	WUHAN	OVERALL
		AOC INTERNATIONAL (EUROPE) B.V.	ENVISION PERIPHERALS, INC	MMD SINGAPORE PTE. LTD.	TECHNOLOGY INDIA PVT. LTD	ELECTRONICS TECHNOLOGY CO., LTD.	ADMIRAL TECHNOLOGY LTD	
CONSUMPTION	UNIT	NETHERLAND	USA	SINGAPORE	INDIA	SHANGHAI	WUHAN	
	Nm3	6,191						6,191
NATURAL GAS	Therm	-	1,255	-	-	-	-	1,255
	m³	0	-	-	-	-	11,408	11,408
PETROL	Liter	19,778	-	-	- 1	-	5,671	25,449
ELECTRICITY	kWh	103,812	43,130	75,589	18,443	248,691	109,171	598,836



## 3. 2021 AOC & MMD ENTITIES WATER CONSUMPTION

MMD MONITORS & DISPLAYS NEDERLAND **ACTIVITY** MMD B.V. **OVERALL** TPV (SHANGHAI) WUHAN AOC **ENVISION** MMD **TECHNOLOGY ELECTRONICS ADMIRAL** SINGAPORE INTERNATIONAL PERIPHERALS, INDIA PVT. **TECHNOLOGY** TECHNOLOGY (EUROPE) B.V. INC PTE. LTD. LTD CO., LTD. LTD UNIT SINGAPORE INDIA SHANGHAI WUHAN NETHERLAND USA WATER CONSUMPTION 219 85 620 547 1719



### 4. 2021 CO2 EMISSIONS OF AOC & MMD SUPPLIERS

**TPV** TPV DISPLAY TPV DISPLAY **ELECTRONICS TECHNOLOGY TECHNOLOGY** L&T DISPLAY **OVERALL** (BEIHAI) CO., **TECHNOLOGY** (FUJIAN) CO., (WUHAN) CO., (FUJIAN) LTD. LTD LTD AOC, MMD SUPPLIER SITE UNIT TPV FUIIAN TPV WUHAN TPV BEIHAL L&T 6,374 SCOPE 1 Tons CO2e 4,067 1,687 585 8,923 76,210 **SCOPE 2** Tons CO2e 51,986 11,305 3,996 56,053 12,992 9,509 82,584 **TOTAL** 

## 5. 2021 GHG ACTIVITY DATA OF AOC & MMD SUPPLIERS

EMISSION			2021 AG	CTIVITY DATA		OVERALL
SOURCE	UNIT	TPV FUJIAN	TPV WUHAN	TPV BEIHAI	L&T	
NATURAL GAS	m³	 236,955				 731,495
LIQUEFIED PETROLEUM GAS	Kg	-	-	 1,070	-	1,070
GASOLINE	Kg	<u></u> 43,668				94,673
DIESEL OIL	Kg	 19,412				 31,767
ACETYLENE	Kg	 14				 14
CO2	Kg					
R404A OR R23 OR R32	Kg	5				 15
HCFC-123	Kg	 540	200			 740
SEPTIC-TANK BOD(CH4)	Kg	113,108	41,480		33,000	196,106
PURCHASED ELECTRICITY	kWh	65,630,815	 13,165,597		 11,265,510	95,030,222

## 6. 2021 AOC & MMD SUPPLIERS WATER **CONSUMPTION DATA**

**SUPPLIER** 

WATER CONSUMPTION UNIT

TPV FUJIAN

702,592

TPV WUHAN

252,376

TPV BEIHAI

24,037

L&T

53,595

1,032,600

**OVERALL** 

## 10C MMD