

Independent Verification Opinion

Verification Opinion No.:
C715993-2023-AG-TWN-DNV

Issued Place:
Taipei

Issued Date:
29 November, 2024

This is to verify initiate reporting of Greenhouse Gas Inventory Management Report (2023) of

Yang Ming Marine Transport Corporation consolidated financial reporting boundary subsidiaries

Scope of Verification

DNV Business Assurance (DNV) has been commissioned by Yang Ming Marine Transport Corporation consolidated financial reporting boundary subsidiaries ('the Organization') to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Management Report (2023) (hereafter the "Inventory Report") with respect to the sites listed in Appendix A.

The Reporting Boundary for the verification including direct GHG emissions and removals, indirect GHG emissions from imported energy, indirect GHG emissions from transportation and indirect GHG emissions from products used by the Organization. The further descriptions for the Reporting Boundary listed in Appendix B.

Verification Criteria and GHG Programme

The verification was performed on the basis of ISO 14064-1:2018 and GHG protocol as well as criteria given to provide for consistent GHG emission identification, calculation, monitoring and reporting.

The verification was conducted in accordance with ISO 14066:2011, ISO 14065:2020, ISO14064-3:2019

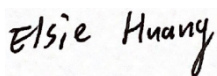
Verification Opinion

It is DNV's opinion that the Inventory Report (2023), which was published on Nov 05, 2024, is free from material discrepancies in accordance with the verification criteria identified as stated above. The opinion is decided based on the following approaches,

- For the Direct (Category 1) and Indirect GHG emissions from imported energy (Category 2), the reliability of the information within the Inventory Report (2023) were verified with reasonable level of assurance.
- For the other indirect GHG emissions, the involved information was verified using limited assurance.

Also, the GHG information as stated in Appendix C has been verified during the process.

Elsie Huang
GHG Verifier



Place and date:

Taipei, 29 November, 2024

For the issuing office:

DNV Business Assurance Co., Ltd.
29Fl, No. 293, Sec. 2, Wenhua Rd.,
Banqiao District, New Taipei City
220, Taiwan



Management Representative



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Supplement to Verification Opinion

Process and Methodology

The reviews of the Inventory Report and relevant documents, and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria.

Quantification of Greenhouse Gas Emission

The Inventory Report covering the period 1st January, 2023 to 31st December, 2023, it is DNV's opinion that GHG emissions and removals identified within the Reporting Boundary has been included in the Inventory Report as claimed in accordance with the verification criteria identified as stated above, and results in quantification of GHG emissions that are real, transparent and measurable.

Organizational Boundary of Verification

Financial Control Operational Control Equity Share

GHGs Verified

CO₂ CH₄ N₂O HFC_s PFC_s SF₆ NF₃

The Quantification of GHG emissions: (ton CO₂e)

Category		Total emissions
Category 1	Direct GHG emissions and removals	20,570.8796
1.1	Stationary combustion emissions	132.7156
1.2	Mobile emissions	19,772.0287
1.3	Industry process	0.7870
1.4	Fugitive emissions	665.3483
Category 2	Indirect GHG emissions from imported energy	8,927.0545
2.1	Indirect emissions from imported electricity	374.2943
2.2	Indirect emissions from imported energy	8,552.7602
Total		29,497.9341

(The Global Warming Potential (GWP) defined in IPCC AR5 (2013) has been chosen and correctly referred by the Organization.)

Verification Opinion

unmodified modified adverse



Appendix to Verification Opinion No. C715993-2023-AG-TWN-DNV

APPENDIX A

The organization boundary of report:

Subsidiary name	Plant	Address	Category 1 (Ton CO ₂ e)	Category 2 (Ton CO ₂ e)	Total
Corstor Ltd	-	Plots 1 & 2 & 3 Substation Road, Plot 4 Dock Road, Felixstowe, Suffolk	59.0243	4.5656	63.5899
Golden Logistics USA Corporation	-	3675 E. Huntington Drive Suite 210, Pasadena, CA 91107 USA	0.0885	-	0.0885
Huan Ming (Shanghai) International Shipping Agency Co., Ltd	Chongqing office	Room 2403, 24th Floor, Sincere Center, No.68 One Road Yanghe, Jiangbei District, Chongqing 400020	289.4786	355.1572	644.6358
	Dalian office	Room 2401, Dalian Gold Name Tower, No. 68 Renmin Road, Zhongshan District, Dalian			
	Fuzhou office	Unit 1510,15/F,Worldwide Plaza,No.158,Wu Si Road ,FuZhou,FuJian			
	Guangzhou office	Unit 3702B, Guangzhou International Commercial Center, No.235 Tianhe North Road,Tianhe District,Guangzhou			
	Lianyungang office	Room 4B09, Jingang International Business Building, 209 Haitang North Road, Lianyungang City			
	Nanjing office	Unit D, 10th Floor, Asia Pacific Business Building, No. 2 Hanzhong Road, Gulou District, Nanjing City, Nanjing 210002, China			
	Ningbo office	Room 1502-1507, Sel Building, No.258, Changle Road, Easten New City Yinzhou District, Ningbo			
	Qingdao office	Rm 2307-2312, China Resource Building. B. No 6 Shandong Road, Qingdao, 266071			
	Shanghai office	Floor 23, Harbour Ring Plaza, No. 18 Xi Zang Middle Road, Huangpu District, Shanghai			
	Shenzhen office	26F, Caiwuwei Jinlong Building Block D, Jingji 100, Hongbao Road,Luohu District,Shenzhen			
	Xingang office	Room3704, The Exchange North Tower, No.189 Nanjing Road, Heping District Tianjin, 300051			
	Zhongshan office	Office No. 205 and No. 206, Building A, No. 28, Zhongshan Third Road, East District, Zhongshan City 528403			
	Wuhan office	R2202, Tower 8, Oceanwide SOHO International, Wuhan CBD Area, Hubei Province, 430022			
	Suzhou office	88 Huachi St. Jinghope Sq.Bldg 2.Suite 1002 SIP,Suzhou, Jiangsu 215028			
Xiamen office	03-07,30/F,The Bank Centre, No.189,Xiahe Road, Xiamen, Fujian				

PT Yang Ming Shipping Indonesia	Jakarta office	JB Tower, 25th Floor JL. Kebon Sirih No.48-50 Jakarta Pusat, 10110	49.4727	75.3482	124.8209
	Palembang office	Gedung Adovelin Raharja Jl. RE Martadinata No. 1C, Palembang 30116			
	Panjang office	Jl. Gajah Mada No: 1C, Kec. Tanjung Karang Timur - Bandar Lampung 35122			
	Surabaya office	Pakuwon Tower, Lantai 22 unit 05-12, Tunjungan Plaza 6, Jl. Embong Malang No.21-31, Kel.Kedungdoro, Kec.Tegalsari, Surabaya 60261			
PT. Yes Logistics Indonesia	Jakarta	JB Tower, 25th Floor, Unit E. Jl. Kebon Sirih No. 48-50, Gambir, Jakarta Pusat - 10110 Indonesia	15.8559	12.3001	28.1560
	Samarinda	Jl. Pulau Samosir No.016 Samarinda-Kaltim – Indonesia			
	Surabaya	JL. Semut Baru Ruko Pengampon Square Blok D-66 Surabaya 60161 Jawa Timur, Indonesia			
Yang Ming Italy S.p.A& Yang Ming (Naples) S.r.l	Genova office	Piazza Galeazzo Alessi 2, 16128 Genova	56.5667	14.5798	71.1465
	La Spezia office	Via XXIV maggio, 26 19124 La Spezia			
	Livorno office	Via delle Cateratte, 90 57122 Livorno			
Yang Ming (America) Corp.	Houston Service Center	3250 Briarpark Drive, Suite 201 Houston, TX 77042	279.7203	270.1093	549.8296
	Los Angeles office	181 W. Huntington Drive, Suite 202 Monrovia, CA 91016			
	New York office	One Newark Center 1085 Raymond Boulevard, 9th Floor Newark, New Jersey 07102			
Yang Ming (Belgium) N.V.	Antwerp office	Molenbergstraat 10, 2000 Antwerpen	18.9665	4.3881	23.3546
Yang Ming (France) S.A.S.	Le Havre office	156 Rue Victor Hugo 76600 Le Havre	12.7331	1.2197	13.9528
	Marseille office	ASTROLABE, ZAC de la Joliette 79, Boulevard de Dunkerque 13002 Marseille			
Yang Ming (Korea) Co., Ltd	Busan office	6th FL, Trade Center bldg. 11, ChungJang-Daero, Jung-Gu, Pusan, 48939	29.9459	-	29.9459
	Seoul office	19th/20th Floor, Sebang Bldg, 433, Seolleung-ro, Gangnam-Gu, Seoul, 06212			
Yang Ming (Latin America) Corp.	Panama office	International Business Park Las Brujas Ave. Bldg 3845, Suite 513, Panama Pacifico, Arrajan	2.9003	20.3841	23.2844
Yang Ming (Mediterranean) Marine Services Single-member Limited Liability Company	-	4th Floor, No. 328-330, Leof. Andrea Siggrou, 17673, Kallithe	11.5634	36.4443	48.0077
Yang Ming (Netherlands) B.V.	Rotterdam office	Albert Plesmanweg 61D, 3088 GB Rotterdam	2.5678	-	2.5678
Yang Ming (Singapore) Pte. Ltd.	Singapore office	171 Chin Swee Road, #08-01, CES Centre, Singapore, 169877	0.3600	23.5922	23.9522

Yang Ming (Spain), S.L.	Barcelona office	Muelle Príncipe de España s/n Edificio Mestre 1ª Plta 08039 Barcelona	17.0270	13.7538	30.7808
	Valencia office	Avda. Alfahuir, 45 Edificio Alfahuir 46019 Valencia			
Yang Ming (UK) Ltd	Felixstowe office	IMM No.1 Building, Parker Avenue, Suffolk, IP11, 4AG Felixstowe (Port Operations Office)	9.1433	21.9642	31.1075
	London office	2nd Floor, 210 South Street, Romford, Essex RM1 1TR, London			
Yang Ming Anatolia Shipping Agency S.A.	Bursa office	Esentepe Mahallesi, Sanayi Caddesi, Habita 2216 İş Merkezi No:173, K:2 D:11, Nilüfer, Bursa	33.7314	153.0534	186.7848
	Istanbul office	Tekfen Tower Esentepe Mahallesi ,Büyükdere Caddesi , No: 209 , 4.Levent ,Şişli ,İstanbul			
	Izmir office	Mistral Ofis Binası Cinarlı Mahallesi,Ankara Asfaltı Caddesi, no:15/301 Konak,Izmir			
	Mersin office	Yeni Mahalle 119.cadde 5309 Sokak Mahmut Torun Ticaret Merkezi No:8 Kat:5 D:20, 350050			
Yang Ming Line (Hong Kong) Ltd.	-	22 Floor, Ever Gain Plaza, Tower 1, 88 Container Port Road Kwai Chung, N.T.	1.4867	65.2351	66.7218
Yang Ming Line (India) Pvt. Ltd	Calcutta office	7C, Kiran Shankar Roy road,2nd Floor, Hasting Chambers,Kolkata – 700001	21.0849	68.7583	89.8432
	Chennai office	3rd Floor, MMPDA Towers 184, Royapettah High Road CHENNAI - 600 014			
	Haldia office	National Highway 41, Village & Post office: Debhog, Sub Division: Haldia – 721657			
	Mumbai office	World Trade Centre, Center 1, 13th Floor Cuffe Parade, Mumbai 400005			
	Mundra office	Navratna Enclave, 2nd Floor, Office Nos 204/205/206, Ward 12B, Plot No. 333, Near Bank of Maharashtra Gandhidham-Kutch Gujarat - 370201.			
	New Delhi office	3E, 3rd Floor, Uppals M6 Plaza, Plot No 06, Jasola District Centre, Jasola, New Delhi - 110025			
	Nhava Sheva office	ANCHORAGE Building, Unit No.601,6th floor, Ship Agents premises Co-op. Society Ltd. Plot No.2,Sector No.11 Navi Mumbai-400 707			
Pipavav office	Office No. 202,Ram Complex, Fourway Gate, Near Axis Bank,Pipavav Port, Rajula, Dist: Amreli Gujarat-365560				
Yang Ming Line (M) Sdn. Bhd.	Pasir Gudang office	Unit 22-01, Level 22, Mailbox No. 255, Menara Landmark, No. 12, Jalan Ngee Heng, 80000 Johor Bahru, Johor	10.6317	142.4083	153.0400
	Penang office	Lot 13.01, Level 13, Menara KWSP No. 38, Jalan Sultan			

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid. This Verification Opinion is based on the information made available to us and the engagement conditions detailed above. Hence, DNV cannot guarantee the accuracy or correctness of the information. DNV cannot be held liable by any party relying or acting upon this Verification Opinion.

DNV Business Assurance Co., Ltd. 29FL, No.293, Sec.2, Wenhua Road 220 Ban Chiau Dist., New Taipei City Taiwan TEL: +886-2-82537800, website: <https://www.dnv.com/tw/>

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		Ahmad Shah 10050 Pulau Pinang.			
	Port Kelang office	Suite 12.01, Level 12, Menara Trend, Intan Millennium Square, No. 68, Jalan Batai Laut 4 Taman Intan, 41300 Klang, Selangor Darul Ehsan			
Yang Ming Line (Thailand) Co., Ltd. & Yang Ming Line Shipping (Thailand) Co., Ltd.	Bangkok office	1788 Singha Complex Building 20th Fl., Unit no.2005-2008, New Phetchaburi Rd., Bangkapi, Huai Khwang, Bangkok 10310	19.6203	33.7771	53.3974
Yang Ming Shipping (Canada) Ltd.	Toronto office	5045 Orbitor Drive Building 9, Suite 301 Mississauga, Ontario L4W 4Y4	17.2706	-	17.2706
	Vancouver office	1130 West Pender Street, Suite 1120, Vancouver, British Columbia V6E 4A4			
Yang Ming Shipping (Vietnam) Co. Ltd	Da Nang office	01st Floor, 421 Tran Hung Dao St, Son Tra District, Da Nang City	23.9832	60.4112	84.3944
	Haiphong office	Floor 6 Room 603 , DG Tower No.15 Tran Phu Street HaiPhong City, S.R.			
	Hanoi office	Geleximco Tower 15th Floor, No. 36 Hoang Cau Street, O Cho Dua Ward, Dong Da Dist, Ha Noi			
	Ho Chi Minh office	REE Tower 19th Floor, No. 9 Doan Van Bo Street, Ward 13, District 4, Ho Chi Minh City, Vietnam			
Yang Ming Shipping Europe GmbH	Hamburg office	Oberbaumbruecke 1 20457 Hamburg	46.4889	7.2076	53.6965
Yang Ming Shipping Philippines, Inc.	Cebu office	Unit 101-B Ground Floor, Keppel Center, Samar Loop Cor. Cardinal Rosales Avenue, Central Business Park , Cebu City, Cebu	114.5793	63.6413	178.2206
	Davao office	Unit 17&18, 3rd Floor, LSA Center, JP Laurel Ave, Bajada, Davao City (Infront of MCDO SPMC Branch)			
	Manila office	5th Floor, DoubleDragon Center West, 8, Meridian Avenue, DD Meridian Park, Macapagal Avenue corner EDSA Extension, Pasay City, Metro Manila.			
Yangming (Japan) Co., Ltd.	Osaka office	8F, Honmachi Allgo Bldg. 4-25 Honmachi 4-Chome Chuo-Ku, Osaka, 541-0053	11.3889	37.2533	48.6422
	Tokyo office	8F, Shiba 2Chome Building, 2-28-8 Shiba, Minato-ku, Tokyo, 105-0014			
Yes Logistics (Shanghai) Corp.	Shanghai office	Room 2305, Ganglu Plaza, No. 18, Xizang Middle Road, Huangpu District, Shanghai	21.2138	31.9756	53.1894
	Tianjin office	Room 3703, Building A, Jinhui Plaza, No. 189 Nanjing Road, Heping District, Tianjin			
	Hefei office	Room 815, Vanke Center, Luyang District, Hefei City, Anhui Province (intersection of Silihe Road and Qianshan North Road)			
	Wuhan office	Room 706, Building A, ICC Global Trade Building, No. 161 Qingnian Road, Jiangnan District, Wuhan			

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	Qingdao office	Room 2301.2302, Building B, China Resources Building, No. 6 Shandong Road, Shinan District, Qingdao			
	Shenzhen office	Unit 04, 26th Floor, Jinlong Building, Caiwuwei, No. 139 Hongbao Road, Luohu District, Shenzhen			
	Xiamen office	Room 3007, 30th Floor, Bank Center, No. 189 Xiahe Road, Xiamen City, Fujian Province			
	Ningbo office	Room 1501, 15th Floor, Southeast Building, No. 258 Changle Road, Yinzhou District, Ningbo City, Zhejiang Province			
Yes Logistics Benelux B.V.	Netherlands office	Schillingweg 50, 2153 PL Nieuw Vennepe, Netherlands	15.1188	-	15.1188
	Rotterdam office	No actual location			
Yes Logistics Company Ltd.	-	22nd Floor, Tower 1, Evergrande Plaza, 88 Container Terminal Road, Kwai Chung, Hong Kong	0.2635	-	0.2635
Yes Logistics Corp.	Taipei office	4, 5F, No. 243, Sec. 2, Chongqing N. Road, Datong District, Taipei	208.0778	2,562.5046	2,770.5824
	Kaohsiung office	No. 899, Xincheng Rd., Qianzhen Dist., Kaohsiung			
	Keelung office	No. 1, Zhongshan 4th Road, Zhongshan District, Keelung			
	Taichung office	No actual location			
Yes Logistics Corporation	Dallas office	1201 W. 15th Street, Suite 230, Plano, TX 75075, USA	1.3008	21.8839	23.1847
	Los Angeles office	3675 Huntington Drive, Suite#210, Pasadena, CA 91107, USA			
Yes Logistics Europe GmbH	-	Kleine Reichenstrasse 7 - 20457 Hamburg, Germany	2.2073	376.2919	378.4992
Yes MLC GmbH	-	Georg-Beatzel-Strasse 15 55252 Mainz-Kastel	114.4389	142.1861	256.6250
Kuang Ming Shipping Corp.	-	6F, No. 243, Sec. 2, Chongqing N. Road, Datong District, Taipei	14,108.7939	21.3421	14,130.1360
Jing Ming Transportation Co., Ltd.	70 陽明大樓	2F, No. 999, Sinsheng Road, Siaogang District, Kaohsiung	4,277.9131	35.8516	4,313.7647
	高明貨櫃場	No. 2800, Nanxing Rd., Xiaogang Dist., Kaohsiung			
	基隆貨櫃場	2F, No. 1, Zhongshan 4th Road, Zhongshan District, Keelung			
	駿明車場	No. 220-3, Xincheng Rd., Qianzhen Dist., Kaohsiung			
Hong Ming Terminal & Stevedoring Corp.	鴻明高雄 70 號碼頭	No. 999, Sinsheng Road, Siaogang District, Kaohsiung	622.1816	4,249.4665	4,871.6481
Kuang Ming (Liberia) Corp.	only owns ships	-	43.6899	-	43.6899
All Oceans Transportation Inc.	-	Paper company	-	-	
Karlman Properties Limited	-	Paper company	-	-	
Manwa & Company, Ltd.	-	Paper company	-	-	
Merlin Logistics GmbH	-	Paper company	-	-	
Yang Ming Line (B.V.I.) Holding Co., Ltd.	-	Paper company	-	-	

Yang Ming Line (Singapore) Pte Ltd	-	Paper company	-	-	
Yang Ming Line B.V.	-	Paper company	-	-	
Yang Ming Line Holding Co.	-	Paper company	-	-	
Transcont Intermodal Logistics, Inc.	-	Paper company	-	-	
Yang Ming Shipping (B.V.I.) Inc.	-	Paper company	-	-	
YES Logistics Bulgaria Ltd.	-	Paper company	-	-	
YES Yangming Logistics (Singapore) Pte. Ltd.	-	Paper company	-	-	
Young-Carrier Company Ltd.	-	Paper company	-	-	
Yang Ming Insurance Co., Ltd.	-	Paper company	-	-	
Yang Ming (Russia) LLC	-	Paper company	-	-	
Total			20,570.8796	8,927.0545	29,497.9341

APPENDIX B

The Reporting Boundary of Yang Ming Marine Transport Corporation consolidated financial reporting boundary subsidiaries Greenhouse Gas Inventory Management Report (2023)

Category	GHG protocol	Reporting Boundary
Category 1 Direct GHG emissions and removals	Scope 1: Direct GHG emission	Mainly from fuel consumption, other GHG sources or sinks inside organizational boundaries and that are owned or controlled by the organization.
Category 2 Indirect GHG emissions from imported energy	Scope 2: Electricity indirect GHG emissions	The amount of greenhouse gas emissions produced by the consumption of electricity and energy.

The scope of other indirect emissions (other than imported energy) was defined by Yang Ming Marine Transport Corporation consolidated financial reporting boundary subsidiaries's own pre-determined criteria for significance of indirect emissions, considering the intended use of the GHG inventory.

APPENDIX C

For direct emissions and removals, quantified separately for each GHG as below:

Total:

GHG Type	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NF ₃	Total
Emissions (ton CO ₂ e)	19,601.4394	236.4751	287.6092	445.3559	0	0	0	20,570.8796
Proportion (%)	95.29	1.15	1.40	2.16	0	0	0	100