



# TSAKOS GROUP OF COMPANIES

## A CORPORATE OVERVIEW

BY  
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1<sup>ST</sup> ARAB-HELLENIC MARITIME CONFERENCE



# TSAKOS Group Corporate Structure

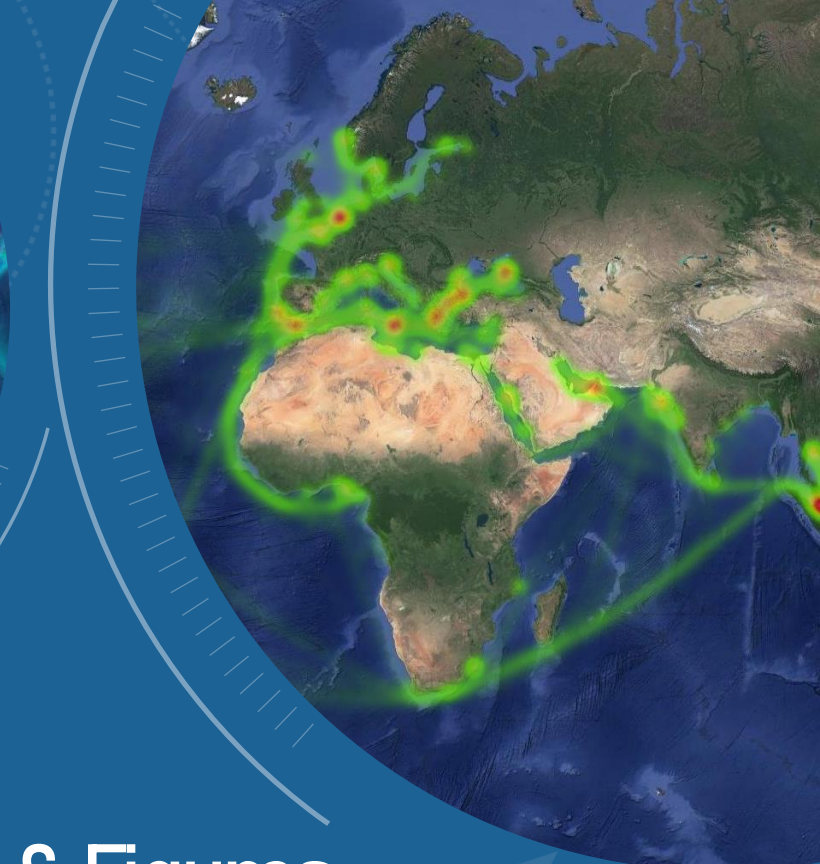
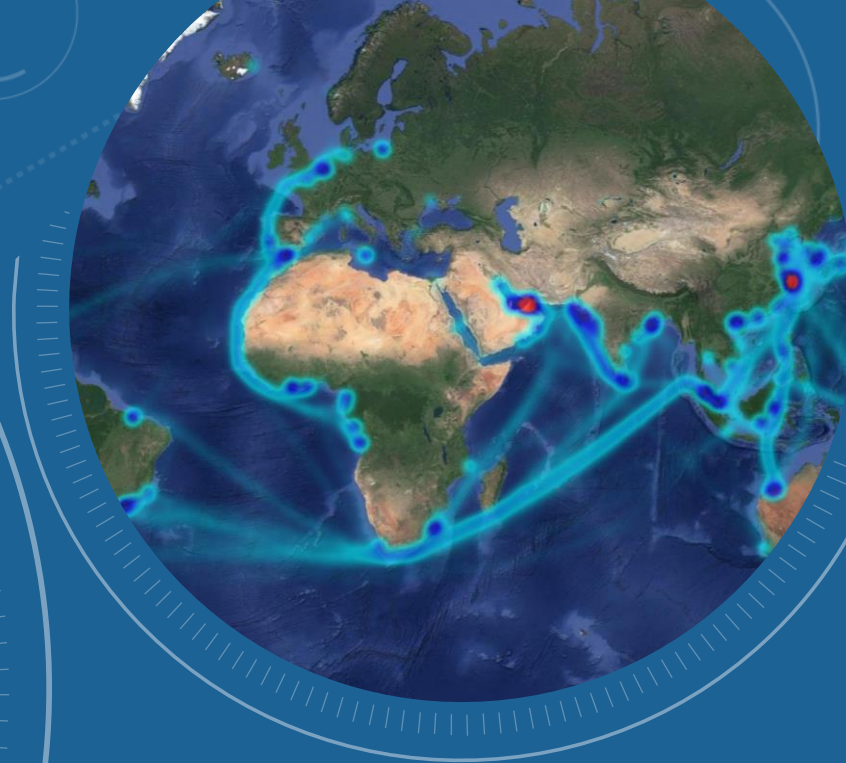




# Our Fleet

			DWT M/T	DRAFT (m)	LOA (m)	BEAM (m)	FLAG	YARD	BUILT	
<b>Tanker Vessels</b>										
1	mt	DIAS I	ECO SCRUBBER	299.999	21,72	329,99	60,01	Liberian	HYUNDAI	2020
2	mt	HERCULES I	ECO SCRUBBER	299.010	21,60	333,00	60,00	Marshall Islands	HYUNDAI	2017
3	mt	ULYSSES	ECO	299.011	21,60	333,00	60,00	Marshall Islands	HYUNDAI	2016
4	mt	HULL NO 3431	ECO SCRUBBER	157.000	17,65	270,00	46,00	Liberian	HYUNDAI	2Q2025
5	mt	HULL NO 3432	ECO SCRUBBER	157.000	17,65	270,00	46,00	Liberian	HYUNDAI	4Q2025
6	mt	ARTEMIS VOYAGER	ECO SCRUBBER	158.000	17,15	274,00	48,00	Bahamas	HYUNDAI	2020
7	mt	APOLLO VOYAGER	ECO SCRUBBER	158.000	17,15	274,00	48,00	Bahamas	HYUNDAI	2020
8	mt	EUROVISION		158.000	17,05	274,20	48,00	Bahamas	SUNGDOG	2013
9	mt	EURO		157.539	17,05	274,20	48,00	Bahamas	SUNGDOG	2012
10	mt	DECATHLON		158.475	17,03	274,39	48,00	Marshall Islands	SAMSUNG	2012
11	mt	DIMITRIS P		158.000	17,05	274,20	48,00	Liberian	SUNGDOG	2011
12	mt	SPYROS K		157.647	17,05	274,20	48,00	Liberian	SUNGDOG	2011
13	mt	PENTATHLON		158.475	17,03	274,39	48,00	Marshall Islands	SAMSUNG	2009
14	mt	ANTARCTIC	ICE 1A	163.216	17,00	274,00	50,00	Liberian	HYUNDAI	2007
15	mt	ARCTIC	ICE 1A	163.216	17,00	274,00	50,00	Liberian	HYUNDAI	2007
16	mt	ALASKA	ICE 1A	163.250	17,00	274,00	50,00	Marshall Islands	HYUNDAI	2006
17	mt	ARCHANGEL	ICE 1A	163.216	17,00	274,00	50,00	Marshall Islands	HYUNDAI	2006
18	mt	EURONIKE	ICE 1C	164.565	17,00	274,00	50,00	Maltese	HYUNDAI	2005
19	mt	EUROCHAMPION 2004	ICE 1C	164.608	17,02	274,00	50,00	Liberian	HYUNDAI	2005
20	mt	HULL NO 5081 TBN NJORD DF	DUAL FUEL	115.000	15,20	249,90	44,00	Marshall Islands	DAEHAN	3Q2023
21	mt	HULL NO 5082 TBN RAN DF	DUAL FUEL	115.000	15,20	249,90	44,00	Marshall Islands	DAEHAN	4Q2023
22	mt	HULL NO 5083 TBN CHIOS DF	DUAL FUEL	115.000	15,20	249,90	44,00	Marshall Islands	DAEHAN	1Q2024
23	mt	HULL NO 5084 TBN ITHAKI DF	DUAL FUEL	115.000	15,20	249,90	44,00	Marshall Islands	DAEHAN	1Q2024
24	mt	CARIBBEAN VOYAGER	ECO SCRUBBER	115.000	15,20	249,90	44,00	Bahamas	DAEHAN	2020
25	mt	MEDITERRANEAN VOYAGER	ECO SCRUBBER	115.000	15,20	249,90	44,00	Bahamas	DAEHAN	2019
26	mt	BERGEN TS	ICE 1B	112.700	15,00	249,90	44,00	Maltese	DAEWOO	2017
27	mt	STAVANGER TS	ICE 1B	112.700	15,00	249,90	44,00	Maltese	DAEWOO	2017
28	mt	OSLO TS	ICE 1B	112.700	15,00	249,90	44,00	Maltese	DAEWOO	2017
29	mt	SOLA TS	ICE 1B	112.700	15,00	249,90	44,00	Maltese	DAEWOO	2017
30	mt	MARATHON TS		112.700	15,00	249,90	44,00	Maltese	DAEWOO	2017
31	mt	PARTHENON TS		112.700	15,00	249,90	44,00	Maltese	DAEWOO	2016
32	mt	LEONTIOS H		112.700	15,00	249,90	44,00	Greek	DAEWOO	2016
33	mt	THOMAS ZAFIRAS		112.700	15,00	249,90	44,00	Greek	DAEWOO	2016
34	mt	ELIAS TSAKOS		112.700	15,00	249,90	44,00	Greek	DAEWOO	2016
35	mt	URAGA PRINCESS		105.344	14,78	228,60	42,00	Greek	SUMITOMO	2010
36	mt	SAPPORO PRINCESS		105.354	14,78	228,60	42,00	Liberian	SUMITOMO	2010
37	mt	ASAHI PRINCESS		105.372	14,78	228,60	42,00	Greek	SUMITOMO	2009
38	mt	ISE PRINCESS		105.361	14,78	228,60	42,00	Liberian	SUMITOMO	2009
39	mt	NIPPON PRINCESS		105.392	14,78	228,60	42,00	Marshall Islands	SUMITOMO	2008
40	mt	MARIA PRINCESS		105.346	14,78	228,60	42,00	Liberian	SUMITOMO	2008
41	mt	SAKURA PRINCESS		105.365	14,78	228,60	42,00	Liberian	SUMITOMO	2007
42	mt	IZUMO PRINCESS		105.374	14,78	228,60	42,00	Greek	SUMITOMO	2007
43	mt	PROPONTIS	LR2 ICE 1A	117.055	15,40	250,00	44,00	Greek	HYUNDAI	2006
44	mt	PROMITHEAS	LR2 ICE 1A	117.055	15,40	250,00	44,00	Greek	HYUNDAI	2006
45	mt	SUNRISE		74.043	14,45	228,00	32,24	Liberian	SUNGDOG	2016
46	mt	SUNRAY		74.039	14,45	228,00	32,24	Liberian	SUNGDOG	2016
47	mt	CHANTAL		74.329	14,30	228,00	32,20	Liberian	SUNGDOG	2009
48	mt	WORLD HARMONY		74.200	14,30	228,00	32,20	Liberian	SUNGDOG	2009
49	mt	SALAMINA		74.251	14,30	228,00	32,20	Liberian	SUNGDOG	2009
50	mt	SELINI		74.296	14,30	228,00	32,20	Liberian	SUNGDOG	2009

51	mt	SOCRATES		74.327	14,30	228,00	32,20	Liberian	SUNGDOG	2008
52	mt	SELECAO		74.296	14,30	228,00	32,20	Liberian	SUNGDOG	2008
53	mt	ANDES		68.439	13,20	228,50	32,20	Liberian	IMABARI	2003
54	mt	AEGEAS	ICE 1A	39.378	11,71	183,00	27,34	Liberian	HYUNDAI	2007
55	mt	ANDROMEDA	ICE 1A	39.378	11,71	183,00	27,34	Greek	HYUNDAI	2007
56	mt	BOSPOROS	ICE 1B	39.589	11,71	183,00	27,34	Marshall Islands	HYUNDAI	2007
57	mt	BYZANTION	ICE 1B	39.589	11,71	183,00	27,34	Marshall Islands	HYUNDAI	2007
58	mt	BASSILEVOUSA	ICE 1B	37.468	11,21	182,55	27,34	Greek	HYUNDAI	2005
59	mt	BASILIS L	ICE 1B	37.468	11,21	182,55	27,34	Marshall Islands	HYUNDAI	2005
60	mt	DIDIMON		37.432	10,51	175,97	31,00	Liberian	HYUNDAI	2005
61	mt	DELPHI		37.432	10,51	175,97	31,00	Liberian	HYUNDAI	2004
62	mt	CAPT THANASIS		39.999	11,09	175,93	31,00	Marshall Islands	HYUNDAI	2004
63	mt	BALTIC	ICE 1B	39.574	11,71	182,55	27,40	Marshall Islands	HYUNDAI	2003
<b>Shuttle Tankers DP2</b>										
64	mt	HULL NO 2654		154.350	17,35	279,00	48,80	Maltese	SAMSUNG	2Q2025
65	mt	HULL NO 2655		154.350	17,35	279,00	48,80	Maltese	SAMSUNG	2Q2025
66	mt	PORTO		154.418	17,20	276,40	48,00	Maltese	DAEHAN	2022
67	mt	LISBOA		155.720	17,15	278,50	48,40	Maltese	SUNGDOG	2017
68	mt	BRASIL 2014		155.720	17,17	278,50	48,40	Greek	SUNGDOG	2013
69	mt	RIO 2016		155.720	17,17	278,50	48,40	Greek	SUNGDOG	2013
<b>LNG Vessels</b>										
70	Ing	TENERGY (174,000 m3)	X-DF	93.650	12,50	299,00	46,40	Greek	HYUNDAI	2022
71	Ing	MARIA ENERGY (174,044 m3)	TFDE	84.763	12,50	289,00	45,60	Liberian	HYUNDAI	2016
72	Ing	NEO ENERGY (149,834 m3)	ST	74.377	12,35	288,00	44,20	Liberian	HYUNDAI	2007
<b>TOTAL TANKERS DWT</b>				<b>6.472.140</b>						
<b>Dry Cargo Vessels</b>										
73	mv	HULL NO 482 TBN WORLD SEAFARER		181.500	18,20	292,00	45,00	Marshall Islands	NAMURA	3Q2023
74	mv	MERCHANT MARINER	SCRUBBER-FITTED	179.570	18,20	292,00	45,00	Greek	DAEWOO	2010
75	mv	IAN M		179.827	18,22	292,00	45,00	Liberian	DAEWOO	2010
76	mv	STELLA		179.619	18,22	292,00	45,00	Liberian	DAEWOO	2009
77	mv	IRENE II		180.184	18,17	288,93	45,00	Marshall Islands	IMABARI	2006
78	mv	PSARROS D		82.000	14,45	229,00	32,26	Liberian	NEW YZJ	2019
79	mv	BETTY K		82.000	14,45	229,00	32,26	Liberian	NEW YZJ	2019
80	mv	YIANNIS B		82.591	14,40	229,00	32,26	Liberian	TSUNEISHI	2008
81	mv	MANOUSOS P		82.549	14,40	229,00	32,26	Liberian	TSUNEISHI	2008
82	mv	LONDON 2012		82.562	14,40	229,00	32,26	Liberian	TSUNEISHI	2007
83	mv	BEIJING 2008		82.561	14,40	229,00	32,26	Liberian	TSUNEISHI	2007
<b>TOTAL DRY CARGO DWT</b>				<b>1.394.963</b>						
<b>Containers Vessels</b>										
<b>TEU</b>										
84	cv	HULL NO 4235 TBN IRENES REWARD		37.525	11,00	186,00	2800	Marshall Islands	HYUNDAI	3Q2024
85	cv	HULL NO 4234 TBN IRENES RALLY		37.525	11,00	186,00	2800	Marshall Islands	HYUNDAI	2Q2024
86	cv	HULL NO 4233 TBN IRENES RESPECT	SCRUBBER-FITTED	37.525	11,00	186,00	2800	Liberian	HYUNDAI	1Q2024
87	cv	HULL NO 4232 TBN IRENES RAINBOW	SCRUBBER-FITTED	37.525	11,00	186,00	2800	Liberian	HYUNDAI	1Q2024
88	cv	IRENES RULE		37.525	11,00	186,00	2800	Marshall Islands	HYUNDAI	2023
89	cv	IRENES WISDOM		37.525	11,00	186,00	2800	Marshall Islands	HYUNDAI	2023
90	cv	IRENES RAY		44.132	12,02	222,50	3398	Liberian	HANJIN HI	2006
91	cv	IRENES RESOLVE		51.060	12,50	257,24	3739	Liberian	SAMSUNG	2001
92	cv	IRENES RYTHM		39.462	12,00	222,14	2824	Maltese	HYUNDAI	2007
93	cv	IRENES REMEDY		39.382	12,00	222,20	2824	Liberian	HYUNDAI	2005
<b>TOTAL TEU</b>				<b>399.186</b>		<b>29.585</b>				
<b>FLEET TOTAL DEADWEIGHT</b>				<b>10.266.289</b>						



## Operational Facts & Figures

### Port Call Activity 2022

- 1,875 port calls / 95 countries
- 26 port calls/ per ship
- 1 SIRE inspection every two days

### Global Oil Transportation 2022

- 508,686,321\* barrels of oil & products
- 8,478,105\* barrels loaded per ship
- 1,56%\* of the world oil production

\*12-month period (2022)



# TSAKOS Group Decarbonization drive

## 3F – Triple Fuel Ships with Cost & Risk Reductions

- ❑ Part of the major EU-funded HORIZON Programme
- ❑ Uncertainty on fuel choice in 2, 5, 10 years' time
- ❑ Fuel-flexible approach to de-risk investments
- ❑ Range of solutions to support:
  - MGO
  - Methanol
  - Ammonia
- ❑ Integrated into ships' design, power systems, & ops
- ❑ Demonstrator will validate project innovations on:
  - Power systems
  - Fuel systems
  - Bunkering
  - Design & operation simulations
  - Sustainable operational standards
  - Etc.
- ❑ Participants include: GRIEG EDGE AS, KONGSBERG, BERG Propulsion, DNV AS, NTUA, etc.

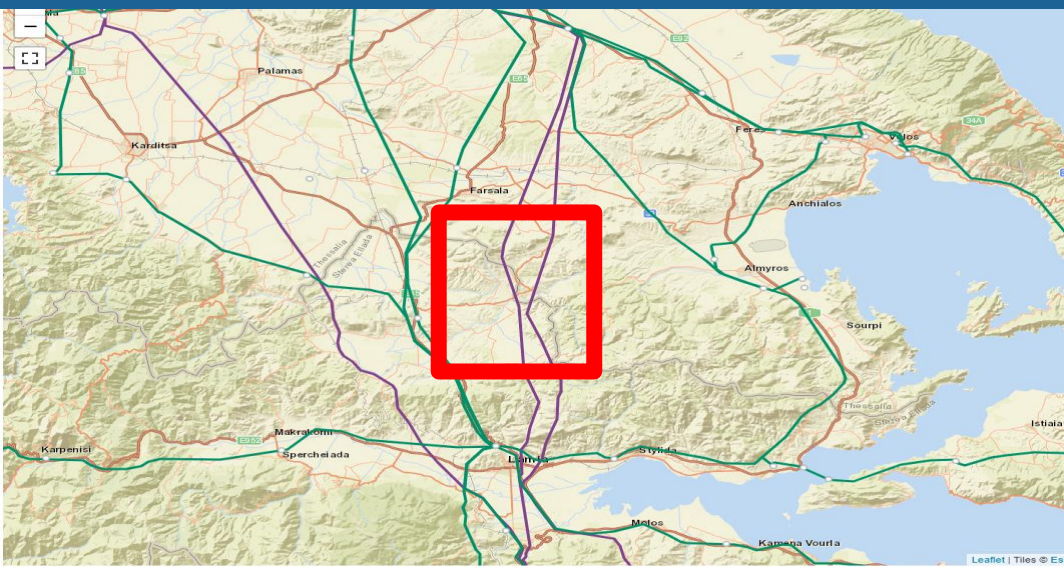
## ORCELLE WIND

- ❑ Accepted on to the ORCELLE HORIZON Project's External Expert Advisory Board (EEAB)
- ❑ EU-funded Project (€ 9M)
- ❑ Develop & demonstrate a solution involving wind as the main form of propulsion
- ❑ Two physical demonstrators:
  - 1-wing retrofit targeting 10% effy gains
  - Multi-wing newbuild demonstrator targeting +50% effy gains
- ❑ Co-ordinated by Wallenius Wilhelmsen Ocean AS
- ❑ Main Partners include: VOLVO, ALFALAVAL, OCEANBIRD AB, DNV GL SE, NTUA, SSPA, Etc.
- ❑ Develop conceptual designs and operational plans for multiple vessel types:
  - Tankers
  - Bulk Carriers
  - Container ships
  - Cruise & Ferries

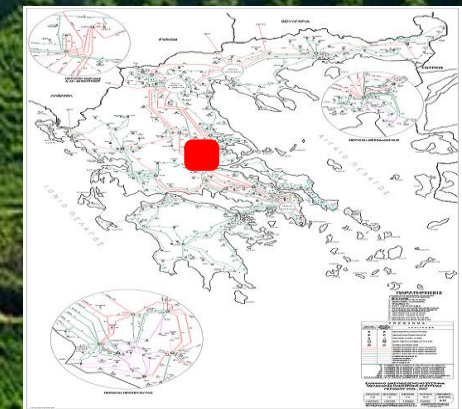


# TSAKOS Group PV Project

- ❑ Fully sustainable photovoltaic park, with a thermal heat storage system
- ❑ Land secured (DOMOKOS)
- ❑ 502 MWp and 440 MWh storage
- ❑ Central Greece, near two 400kV HV transmission grid
- ❑ Thermal energy storage using molten salt as the storage medium (MOSAS)
- ❑ FIRST to use MOSAS for electric energy storage from large scale RES
- ❑ ~€ 600m. CAPEX



ΦΑETHON CONSORTIUM  
DOMOKOS, Central Greece





# ARRENA SPRINGS



Appropriate for low sodium diet



Low salt



Appropriate for infant consumption



Total absence of toxic elements

- ISO9000
- ISO22000
- ISO18000
- ISO14000
- OK RECYCLED Certification

# ARRENA SPRINGS

## Origin

Nera Pigon Grammou S.A. is a Greek Company, founded in 2018. It is part of the "Tsakos Group", and will operate in the natural mineral water market, both domestically and globally.

Our natural mineral water springs are in the vicinity of the Arrena Lakes, at an altitude of 1,100m on Mount Grammos.

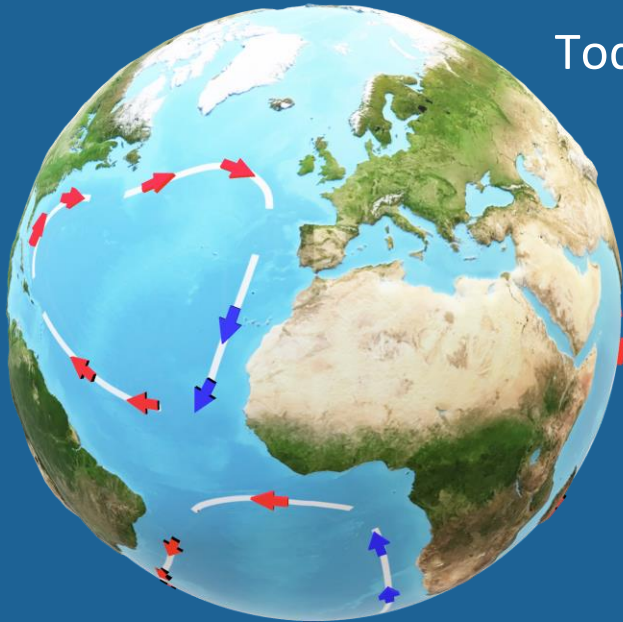
*"...although our trademark so far has been in sea water, it is now time to make a splash in fresh water as well..."*

Captain Panayiotis Tsakos



# Pioneering Work?

Today's Energy Industry participants need to operate like early explorers

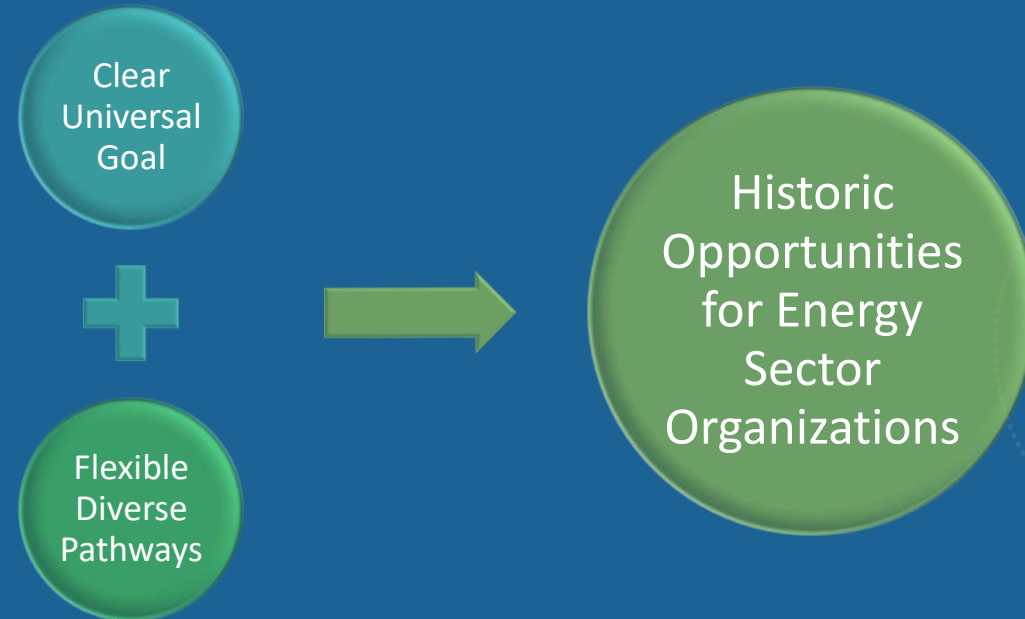


Clear Goal: DECARBONIZE THE WORLD

- Moving forward without a detailed map
- Only a high-level idea of the energy system we are building

SHIPPING has been on a race towards ZERO:

ZERO emissions...  
But is it also ZERO margins?







# TSAKOS Group of Companies

53 YEARS OF  
CONTINUOUS &  
SUSTAINABLE GROWTH



IRENES STAR- The first Tsakos ship

