



Hosted by

Royal Danish Yacht Club

Sustainability Report 2023

KDY Womens Match Race

Final stage of Womens World Match Racing Tour 2023

Skovshoved Harbor, Northern Copenhagen - Denmark

21-24. September 2023

Powered by



Photo Credit: sailingdotpics



Background:

Royal Danish Yacht Club (KDY) is a non-profit organisation. Denmark's largest yacht-club, KDY has more than 2,000 members of all ages. KDY members come from all levels of sailing, ranging from the international elite sailors, where KDY have Olympic level selected crews, world's best female and male match racing teams to beginner and junior level in sailing. From dinghy to keelboats, powerboats and green boats in all levels.

KDY Womens Match Race became a platinum level Clean Regatta from Sailors for the Sea in 2022 and will continue to bring this level further to show that a World Tour level can be a good inspiration for sustainable clean regattas, even at the highest match racing levels.

KDY organises both national and international regattas such as the World Championships, World Tours, European Championships, Nordic and National Championships

Sustainability has been a key priority for KDY and Womens World Match Racing Tour, with a focus on Clean Regattas and Green Boating. With a "Green Team" dedicated to the management and implementation of the sustainability strategy, using the guidelines prepared by Sailors for the Sea, has now become embedded in the KDY regatta-organisation, as well as Womens WMRT.

KDY feels a strong sense of responsibility to lead the way, both nationally and internationally, when it comes to being a sustainable Yacht Club as well as World Tour, promoting sustainable regattas at highest level of sailing and match racing.

For KDY it is a high priority to arrange clean regattas according to the guidelines set out by **Sailors for the Sea**. Also, KDY is front leader adding new elements to the way we can achieve further results in sustainability. This will be measured by way of making all regattas and daily activities sustainable and ensuring that sustainability is embedded in all club activities as well as harbour driven activities

Action and process:

To achieve a sustainable clean regatta and green boating program it requires planning and a close cooperation between the Organising Authority and the Green Team. With collaboration in reference to all (but not limited to) five action points mentioned below.



- 1) Regatta management and coordination.
- 2) Registration, results and communication.
- 3) The race committee with a support team on the water,
- 4) The jury members - committee, and
- 5) The onshore team organising the social events and ensuring food, beverage etc.

Follow-up:

An important point in making a Clean Regatta a success is to follow up and share the experience and the process with other clubs, both locally, regionally and of course, globally. Accordingly, KDY has established a follow-up strategy and clear guidelines to ensure that the effort is being optimized for future Clean Regattas. (See guidelines below.)

GUIDELINES – BEST PRACTICE:

The following guidelines are based on the experience and work undertaken before, during and after the event.

The objective is to achieve all of the 20 points recommended as best practices and work with “green boating” outlined by Sailors for the Sea in addition to develop new initiatives. Most of the Sailors for the Sea 20 points are already embedded in the KDY standard regatta programme. This includes but is not limited to the elimination of single-use water bottles and plastic straws, serving food with plastic-free dinnerware and new waste collection processes. Information and communication about the importance of following the Sustainability Program outlined by Sailors of the Sea is still a key objective, however, with the 20 points embedded in race planning, it does allow the Regatta management to add new and important sustainability features to the pallet of tools.

Six new sustainable features have been launched for the KDY Women’s Match Race 2023.

- 1) Spectator boat driven by methanol and electric power made by Nordberg’s Jacob Jensen Design
- 2) Regatta shirts provided by Pelle P – a left over from collection
- 3) Re-used brass plate from old boat to be cut out to new medals and line on trophies
- 4) Trophies made of aluminium taken from an old boom cut to new trophies
- 5) Not a single Sailboat removed during this event
- 6) Local divers for harbour clean-up before and past event. Actually 10 times in 2023!



All four features are discussed below, including the use of KDY's 100% Electric drone marks from MarkSetBot. This report will indeed focus on the guidelines from Sailors for the Sea and indeed, also present new initiatives as bonus points.

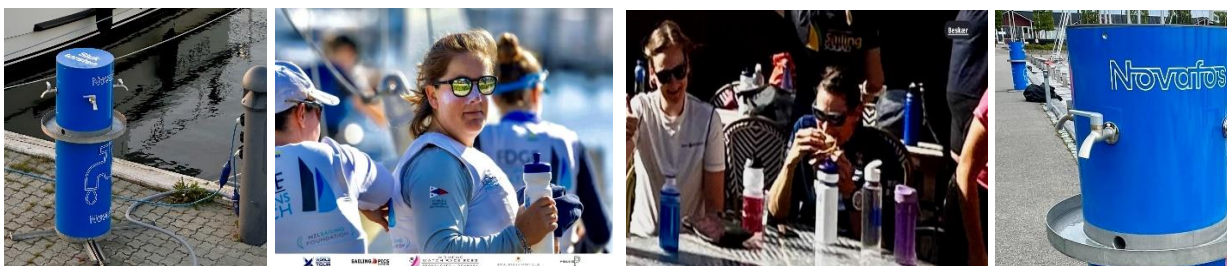
The KDY Women's Match Race is a four-day Grade 1 World Sailing Special Event with worlds best womens teams from two continents participating.

Start your planning well in time before the regatta.

- 1) Call a meeting with all the parties involved and make a detailed plan and delegate responsibilities and deadlines.
- 2) You will not be able to achieve a Clean Regatta alone, and hence, contact your partners in advance and ensure time is available to deliver the needed services and products.
- 3) Working together with local and regional suppliers is important. They can assist with logistics and in particular with waste disposal and also general communication.
- 4) Arrange communication jointly with local partners.
- 5) "Harbour divers clean-up" as well as clean-up on shore has proven to be very fruitful to the environment, both to ensure a sustainable regatta but also to leave harbour in a cleaner condition than before event start. All harbour visitors will notice the clean regatta and clean-up team by their work both on shore and in the harbour basin.

Eliminate Single-Use Water Bottles and Provide Water Refill Stations

- 1) A free reusable water bottle sponsored by KDY, was given in 2022 and asked to bring again in 2023 – for new participants water bottles were provided with their registration and officials.
- 2) The local water board, Novafo's, arranged four water-stations, with each station having four outlets. The water filling stations were strategically placed on the harbour area in signposted areas. To ensure minimum waste of fresh clear water.
- 3) The Clean Regatta bottles and water stations was noticed in invitation and received positive feedback from the sailors. Even this event is a World Tour event.



Water Refill Stations and Reusable Water Bottles was taken well by participants and volunteers



In 2022 each of the crew members were given a “long sleeves regatta shirt”. These are high-quality “long sleeves regatta shirt” made of 100% recycled fabric to minimize the impact to the environment; in addition, the logos are printed with water-based materials, free of chemicals.

Due to its high quality several teams have worn these since proudly.



To have an event shirt for 2023 a hard work was made to find a collaboration and the Swedish Pelle P was chosen. To help out with a leftover in their collection shirts was provided to minimize waste. Bringing in some of world’s best technical shirts designed and produced by Pelle Petterson Sweden all participants were given a shirt as well as all volunteers. With even higher quality.

OA are eager to see these shirts worn with proud in years to come – and as a good memory!



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Prize backdrop

The Womens World Match Racing Tour Prize backdrop is used several years worldwide to minimize use of materials.

Results for KDY Womens Match Race powered by Pelle P 2023



Lea Richter Vogelius. Denmark



Anna Östling, Sweden



Camilla Ulrikkeholm, Denmark

Podium winners for KDY Womens Match Race 2023



Anne Sofie Munk Hansen



Michael Fenger



Anne Hjorth

Commadore of KDY/RDYC - Major of Gentofte Municipality - Chairman of Gentofte Municipality

2. Eliminate Plastic Straws.

Not a single straw was used during KDY Women's Match Race 2022!

KDY/RDYC-reusable drinking cups were used at volunteers site Basen and the social event.

3. Serve Food with Plastic-Free Dinnerware

As stated above, the KDY reusable glasses were used at post-race event.



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The KDY branded reusable glasses were very popular. Several participants brought some home, as they were a "Unique Collector's Item" and yet another push factor for the usage of reusable and environmentally correct items. After just three times of use, the CO₂-emission is lower than for single-use plastic equivalents. The reusable cups are expected to last more than 100 times per glass.

Dinner on all evenings was served on recycled plates and re-usable cutlery from recycled plastic were used and collected after. Cutlery has been used for previous sustainable events at venue area HalGodt. Vegetarian, local food and gourmet dinners were provided, served in ecofriendly dishes collected afterwards to be re-used for new materials.



Dinner made by local Pasta la Pasta, and butcher Lund and Dhaba.

4. Use or Provide Reusable Bags.

No goodie / welcome bags were provided for sailors or volunteers

Nevertheless each boat was provided with red environment rubbish bags from The Danish Royal Navy. The sailors were instructed to use the red rubbish bags to collect all the waste on-board, and after their racing, bring the rubbish ashore to one of the recycling stations positioned at the harbour (see below) and sort the rubbish according to material.





5. Award Practical Items or Use a Perpetual or Upcycled Trophy

KDY has established a co-operation with a young Italian designer, Sara Forti, who has developed, and is now producing a material based 100% reused plate of brass taken from an old ship and cut to medals and for trophies. Such prizes were used for the KDY Women's Match Race 2023. To follow up from 2022 where medals also were made of 100% bio materials such as seaweed, seagrass and potato waste, KDY continue to find new sustainable ways to bring medals that podium winners proudly will wear where it has to, on their necks. And as a great memory

The podium winners of the KDY Women's Match Race received the world's first 100% reused brass sustainable medals and trophies made of an old boom, driftwoods collected in an Italian lake made as base and brass used to difference gold, silver and bronze podium winners in 2023.

When having an event podium as well as a Womens World Match Racing Tour final stage two prize ceremonies were held during the event. Trophies and medals as described above were given

Results Womens World Match Racing Tour 2023 as following:



(2) Celia Willison, New Zealand - (1) Anna Östling, Sweden - (2) Megan Thomson, New Zealand





All participating teams as well as Gentofte Municipality and venue host HalGodt received a small trophy as well as a great memory for being a part of this event.



Team Those Seagulls, Royal Danish Yacht Club, Denmark became runner up as fourth in KDY Womens Match Race 2023 in their only second season of match racing.



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6. Publicize Your Sustainability Efforts

The Regatta Team has been most ambitious with the objective to arrange a first class “sustainable Clean Regatta” and accomplish all the 20 points guidelines according to the Sailors for the Sea plus additional bonus points.

Pre-SoMe activity was published and electronically distributed to all the sailors from KDY SoMe, #Womenswmrt platforms as well as World Sailing and local / national medias.



In addition to the above-mentioned SoMe activities, the Organizing Authority organised and promoted the above-mentioned reused brass plate made medals and in addition, the authority distributed, as mentioned above, reuse of 2022 100% recycled fabric “long sleeves regatta shirt” for all the participants as well as become left stock of Pelle P collection technical shirts for 2023

Safety is also considered part of the World of sustainability and the KDY Organizing Authority had arranged a collaboration with Skipperi.dk to provide two safety boats, one driven by 100% electric engine. As well as local fire and rescue department were on shore / off shore practicing their skills and prepared to take action if needed.

As stated in point 11 below, KDY has invested in a DPOL (the shipping company D/S Norden sponsored a second DPOL this summer) cleaning the waters in the harbour which includes collecting dead seaweed.





Sustainable venue

HalGodt hosted after sail dinner and dancing all days during the event.

With a sustainable area with buildings made by wood and 80% of electricity given from sun panels on roofs. When production of sun energy is higher than used power stations collect to be used later on. All daily activities from kitchens, bars, sauna, lightning and heaters are supplied with sun produced electricity.

Warm water produced by sun heat panels and storage to safe heat to use when needed. This saves tons of carbon. With more than 8.000 spectators during the event it is a big savings for the environment.



Sauna was provided to all participants each morning and evening as long heat was available from sun heat panels, which was all time, even with a plus on 80% heat available after each session during to correct isolation of sauna.





Safety during event on and off shore

During event a crew of nurses, lifeguards and local fire and rescue department were available for participants, spectators and volunteers. In an elite sport a lot of action is happening on boats as well as race committee boats during an event this big. When different cultures from more than 12 countries and ages from very young children to elderly, it is important to be prepared anytime.



WOMEN'S WMRT FINALS GRADE 1 - 2023
BY SAILING.PICS





7. Involve Local Organizations

Local organisations are key to success and indeed also to ensure follow-up and keeping the momentum post regatta. A green team and volunteers to support before, during and past event is important. As host of a World Tour, it is important to show the world new efforts in sustainable activities as well as the local environment.

The local organisations included:

- Gentofte Municipality
- Skovshoved Harbour.
- Novafos, the local water board, arranging water stations for refill of reusable bottles.
- A major part of the event sponsors was either locally located.
- Danish Maritime Authority – Sail Safe
- @Underwaterambassador and divers Helene-Julie Zofia Paamand and Katrine Larsen
- HalGodt – local venue with high focus on a sustainable act on each level.
- TV2 Kosmopol





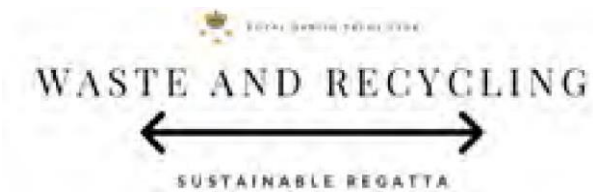
8. Post Educational and Reusable Signage

The examples of signage as pictured below are reused at all major events at KDY, introduced in 2021 at J70 European, used at several regattas since, including KDY Women's Match Race 2022





Selected reusable signage.



A process book will be made and shared with other sailing clubs. Also, the KDY youth team as well as all volunteers during future regattas will receive teaching of how we prepare for a sustainable yachting event.

10. Organize a Green Team

KDY has a committee of sustainable linked to the sustainability team collaborations. The KDY Sustainability Team was present at all event preparation meetings, and hence the 40-plus team of volunteers all took ownership and participated in the sustainability effort.



Sustainable electricity from windmills local placed in Oresund

Windmills are a big electricity provider in Denmark as well as Copenhagen. With more than 68 windmills in Oresund area, 460.000 households are provided with green electricity as well as Gentofte Municipality. Main goal for 2030 is to provide more than 70% wind powered electricity as a part to become carbon neutral capital city. With a total of 460 MW to come in near future this goal is near to be achieved.



Along the Danish Oresund 48 windmills are placed into the sea to produce wind power. No wind issues related to windmills – area is blocked to prevent collisions from any vessels.

11. Ensure Proper Waste Bin Placement and Signage

Gentofte Municipality and Skovshoved Harbor have arranged waste collection / recycling stations strategically positioned on the harbour site.

Collecting and recycle options are made for 10 different choices to ensure best possible effort of recycled waste.



Coloured drawings as apps to ensure recycle of waste and not using “black” to ensure recycling of all waste from shore and offshore on harbour.

To minimize food waste, all dishes are given and produced on by one for each participant or volunteer. Each request was produced as requested with respect of allergens, vegetarian request or picky food requests.

It takes a bit longer time to serve all participants and volunteers but ensures no or minimum waste of food, all warm and well prepared food as each on request.

With tired sailors after many hours competing we were a bit nervous about this but when they had their food everyone really liked it, they could taste the love of gourmet food made local per request. KDY received positive feedback on a well prepared dinner selected to athletes needs to restore their muscles, mindset and energy level ready for a new race day.

We're pleased to have the venue at HalGodt that follows all best possible practice for a sustainable food and cozy venue where everyone can enjoy the Danish ‘Hygge’ .



13. Use Paperless Event Management

KDY managed the Womens World Match Racing Tour by the on-line system "Manage2Sail"- M2S provides 19 different languages which is important hosting a world tour and hosting it as paperless event. Through which the participants could register, naming helmsman, crew and yacht club etc. The system also provided the event documents on-line as well as both the official notice board and the results. Live results were also provided from matchracingresults.com during the event.

Nr. på Yacht	Helmsmand	St. af Yacht	Starttid	Resultat
Christian	Oirik		22.41.44.39	cs@colrak.dk
Henning	Laursen		20.757.518	Henning_laursen@gmail.com
Henrik	Prange		53.630.024	henrik_prange@tpb.dk
Janne	Hansson		25.75.07.48	
Desper	Wilken	XL	30.207.474	desper@wilken.dk
Kai	Lund		40.56.78.90	Lund@danicom.com
Lasse	Kruse	XL	40.914.144	info@radmadsen.dk
Lene	Boonke		41.662.524	boonke@post.tele.dk
Lillian	Holt		61.422.250	lillian.holt@tpb.dk
Malene	Alvan		27.127.741	malenealvan@gmail.com
Mette	Agertoft	L	26.236.860	Mette_agertoft@yahoo.com
Niels Henrik	Hammerstrom			Hammerstrom@mail.dk
Permilie Jane	Dovey		61.783.083	permi@bodycontrolpilates.dk
Peter	Lubeck	L	30.530.209	pal@bso.ssbu.dk
Peter	Falck	XXXL	26.75.12.82	peter@falckmy.name
Ross	Baird	L	21.941.170	ross_s_baird@hotmail.com
Søren	Nielsen		30.42.12.23	st1@me.com
Søren	Boch		40.765.050	soren.boch@windark.com
Johan	Dahl			johandahl13@gmail.com
Jacob	Dahl			jacobdahl13@gmail.com
Torben Mauritzen				tm@auritzen.dk
August W Dahl				
Mo Abbassi				
Helge KDY				
(Mario - Mo)				
(Anna Sofie - Mo)				

KDY Women's Match Race - Women's WMRT FiNALS Grade 1

powered by Pelle P

21-09-2023 - 24-09-2023

Partnere



Participants:

- Anna Östling
- Lea Richter Vogelius
- Camilla Ulrikkeholm
- Kristine Mauritzen
- Julia Aartsen
- Celia Willison
- Juliet Costanzo
- Brooke Wilson

Women's World Match Race Tour 2023

KDY Match Race Skovshoved Denmark

Semi finals for three points / Queen's Castle

Flight 21				
Match	Boats		Boats	
	Blue		Yellow	
57	1	4	Juliet Costanzo	6
58	2	3	Kristine Mauritzen	1
59	3	2	Camilla Ulrikkeholm	5
Flight 23				
Match	Boats		Boats	
	Blue		Yellow	
63	1		#1 match 60	
64	2	1	Kristine Mauritzen	3
65	2	5	Camilla Ulrikkeholm	2
Flight 25				
Match	Boats		Boats	
	Blue		Yellow	
68	1	3	Kristine Mauritzen	1
69	2	2	Camilla Ulrikkeholm	5

Flight 22				
Match	Boats		Boats	
	Blue		Yellow	
60	1		#1 match 57	
61	2	3	Lea Richter Vogelius	1
62	3	2	Anna Östling	5
Flight 24				
Match	Boats		Boats	
	Blue		Yellow	
66	1	1	Lea Richter Vogelius	3
67	2	5	Anna Östling	2

Final Scoring	Semi-final	Points
1 st		
2 nd		
3 rd		
4 th		





14. Host Beach or Marina Clean-up



A harbour clean-up was arranged both before and after the regatta.

The clean-up was also arranged on World Clean Up day September 16. arranged in collaboration with KDY volunteers as well as local divers from @underwaterambassador diver Helene-Julie Zofia Paamand and @Katrine_Larsen before and after regatta





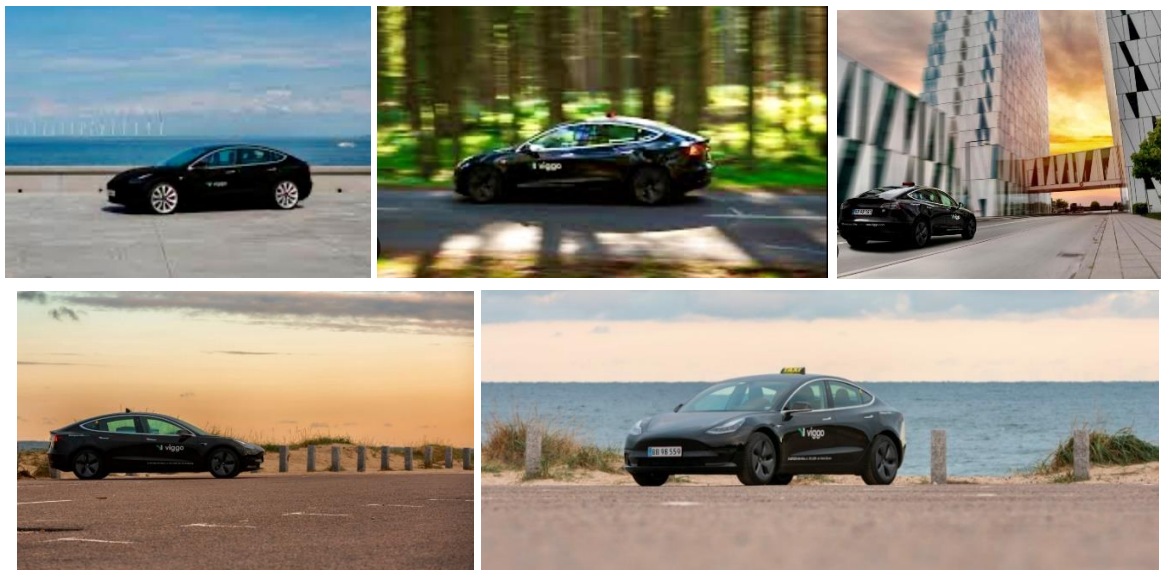
15. Promote Alternative Transportation

Public transportation systems are very efficient, which we stated to all officials and participants - recommended to use bicycle, bus, Metro or train, both being within walking distance from the harbour.



Team Easy Tiger Racing with skipper Juliet Constanzo, Australia, biking every day.

When taxis were needed 100% electrified cars by Viggo.com were provided.



Viggo.com have until September 2023 saved more than 1.104-ton CO2 on taxi transport



Viggo.com even provide and produce most of their electricity from their hub's strategy placed in Copenhagen to ensure fast charging, minimum of time with transportation to a charger – very efficient way to have 100% electrified taxis available.

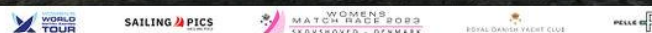


18. Use Eco-Smart Race Management Techniques.

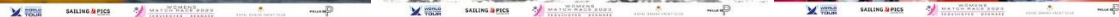
KDY use self-sailing drone marks, 100% electric driven marks, self-positioning on request from PRO team. With four self-sailing drone marks, KDY limits the use of the fuel-intensive RIBs, when laying the starting line and the race course. Indeed, when a change of the race course is needed due to a turn of the wind direction a valuable safe of time to continue racing, made only by using drone marks electric engines them self. The marks have now proved to be very effective for several years, indeed in relation to conducting the races, but not the least since the number of RIBs needed has been reduced to a third thus significantly increasing the level of sustainability of the entire event.

Actually, only one and a committee boat were needed to make race course, no matter of wind gusts, strong or light wind. After a day, battery still had more than 50% energy left.





Three top-marks were used to ensure each race in a flight to have most fairly course in case of shifting wind directions. Marks were coloured in yellow, green and red. A measuring instrument tells PRO team wind information placed on top-mark. Start / finish mark provided with flag and air-compressed horn



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When using self-sailing drone marks a from committee boat towed marks into course area. They can be set by waypoints to go themselves but Danish law requires them to be towed. Reason is they are regulated as a vessel without a skipper, which they are.

Each day before and post racing all self-sailing drone marks had an inspection from race committee to ensure they were ready to use the day after. Only charging of batteries was needed. Mark Set Bot self-sailing drone marks have proved a highly reliability.



Upon arrival each mark was instructed via an app on a tablet to sail to its specific position. The marks are equipped with an electric motor each, a GPS-system maintaining the position without lines or anchors. This eliminate lifts from volunteers which is an important improvement together with a sustainable course powered by electric only.

With the use of Mark Set Bot drone marks, the need for support power boats have been reduced to only one boat. However, rescue boats are still required for safety reasons. Safety boats were 100% electric and a regular powered boat provided by Skipperi.dk. Safety while racing will always have a high priority for OA in KDY



Lots of time saved wind changings came by, a well-known issue having course close to shore



Safety boat, a 100% electric powered boat provided from Skipperi.dk – which also provided a regular powerboat using a Yamaha ultra-low efficient engine only using Aspen 4 green fuel.

A 99% cleaner gasoline than ordinary – virtually free from ethanol, aromatics and benzene, it is a bit more expensive than ordinary, but for our environment and the ocean, Aspen green fuel was the only choice during KDY Womens Match Race – final stage of Womens World Match Racing Tour 2023, as well as in 2022. Engine perform even better, less maintenance needed and a small gain of extra nautical mile per Liter saved amount to an equal use of amount compared to regular gasoline! A win(d) win(d) situation our oceans need. Even without need for extra budget for a greener boating!

Spectator boats - the world's most efficient boats

Beside a 100% electric powered boat KDY made a collaboration with the Danish shipyard and joiner boat builder Nordbjaergs.dk



Nordbjaergs.dk is a well approved shipyard manufacturing, maintaining, service and boat supply shop. Focus is on sustainable products on each direction in their shipyard, giving their best efforts by handling any maintenance on its most sustainable way. Since 1902 Nordbjaergs.dk have been front leader on sustainability while serving boat owners as well as companies local and worldwide.



Future green boating is here now. Electric and bio-based methanol driven powerboat UR6 from Nordbjaergs.dk

Lars Nordbjærg – former match race sailor - runs Nordbjærg shipyard at Skovshoved Harbor, has grown tired of the low range of electric motors. That is why he has allied himself with marine electrician Benjamin Götke, who runs Xarradola. Götke has installed the electrical system and installed a fuel cell from Advent Technologies that converts methanol into electricity. The plant can deliver 5 kW. Boat builder Jørgen Jensen has built the boat and installed two 6 kw pod motors from Torqeedo. The engines also act as rudders. There is a 20-kW battery bank on board, but right now it only works as a backup. The boat is provided with a 35 liters tank of methanol on board, which is produced from biomass and is thus sustainable. The purpose is to test the new technology and see if it is possible to carry out a longer voyage with a motorboat, without a traditional combustion engine with fossil fuel. This boat has a top speed at 12 knots, most efficient is at cruise speed at 6,3 knots.



Boat is 6 meters long, build in 20 mm mahogany, 2,15 wide and weighs only 850 kilos.

Priced from € 175.000

"30-40 years ago, you only sailed around Zealand with the wind", says Götke, "and you were very dependent on the weather. Then it became horsepower, and the weather just had to be calm. Now, with electric motors, we are again in the hands of nature and must plan the voyage. This means that motorboat sailing takes place more in contact with nature and on the premises of the elements." Tells Lars Nordbjærg. Photo Jørgen Jensen

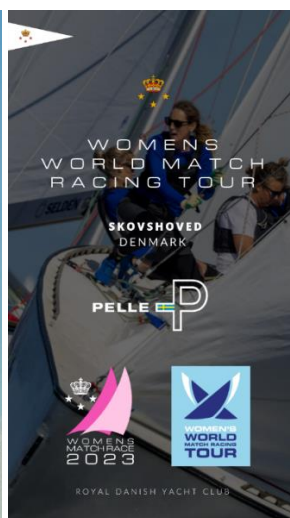
Methanol made from biomass. The boat's 20 kw battery is not being used right now, but serves as a reserve if the hydrogen fuel cell should switch off. When boat get below 40 percent on the battery, it automatically charges via the hydrogen fuel cell. An improvement in powerboat sailing environmentally friendly because the methanol is created via biomass, explains Lars Nordbjærg. Boat will be provided from 2024 in this size and soon in a 10-meter-long cabin version



Photos: Jan Hovald Petersen, minbaad.dk Photo credit also to: sailingdotpics



To history of methanol driven boats this innovative UR6 boat was launched in August 2023 by Danish shipyard Nordbjaergs.dk – to talk more about this improvement the Danish shipping company Maersk launched their first container vessel just a few days before KDY Womens Match Race – final stage of Womens World Match Racing Tour started in September 2023



All flags and merchandise were reused from 2022



19. Prevent Toxins from Entering the Water.

Even through the latest environmental underwater coating from the Danish manufacturer of marine paint Hempel, Silic One, is a biocide- and copper-free environmentally friendly primer for yachts of a type that has been on large ships for many years.

Silic One was pre regatta applied on all six KDY DS37 Match Racing boats as well as the one vessel assisting PRO team making course.

The paint has been tested on, among other things, an Aphrodite 101 yacht, where the vegetation has been reduced, Various RIBs have also been tested with Silic One, where the product works optimally. Vegetation has a really hard time sticking to Silic One, as you can remove vegetation and roughen as easily as nothing - with a sponge, Hempel says. Two years test also approve that KDYs DS37s match racing boats now prove vegetation is almost nonexistent. Saving our sea and the environment. KDY proudly continue using Silic One in future to come and applauds Hempel with their high focus on sustainability shaping a brighter future with sustainable coating solutions.

At Hempel, their purpose is to shape a brighter future with sustainable coating solutions. This is something Hempel strive for every day. Their strategy to double in size by 2025 makes their commitment to sustainability even more important. Not only is it the right thing to do, customers expect it. Today's and tomorrow's employees expect it. This is why Hempel will not rest until sustainability is at the heart of how they do business.





Silic One by Hempel to ensure a minimum of vegetarian growth on KDY DS37 sail boats



Grade 1 level approved event by World Sailing

KDY Womens Match Race – final stage of Womens World Match Racing Tour 2023 has been approved as a Grade 1 level event by World Sailing. Making a Grade 1 event as a Clean Regatta is a multi-collaborating job for Organizing Authority, all participants, volunteers and the Gentofte Municipality. Publishing this KDY / WWMRT Grade 1 as a Clean Regatta from invitation to finish is important. It also ended up lowering costs in budget even with these sustainable efforts. A total list of sustainable actions can be seen on last page in report.

8 of world's best women's teams from five countries participated in the KDY Women's Match Race 2023 – final stage of Womens World Match Racing Tour. Teams from Australia, Netherlands, New Zealand, Sweden and Denmark participated in this event.

With different cultures, ways of acting, ways of thinking, normal or new this is a great challenge to show the world's best sailors a Danish effort of a sustainable Clean Regatta.



WOMEN'S MATCH RACE

ROYAL DANISH YACHT CLUB





All the 6 DS37 Match Racing boats were supplied by KDY, thereby reducing costs and avoiding related CO2 footprint for the regatta.





Not a single boat or container was moved during KDY Women's Match Race – final stage of Womens World Match Racing Tour 2023



World Sailing
Special Event



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Not a single boat or container was moved during KDY Women's Match Race

World Sailing
Special Event



#WHERECHAMPIONSAREMADE



Bonus:

Commadore of KDY – Royal Danish Yacht Club, Anne Sofie Munk Hansen is probably the first Commadore in the world also participate as sailor in a Grade 1 event, CEO from Womens World Match Racing Tour James Pleasance announced.



To make a Clean Regatta it is a privilege as event and regatta manager having support from KDY – Royal Danish Yacht Club, with the club's high focus on sustainability it is a great effort to move further on sustainable efforts, innovations and reliability to continue this journey on a sustainable perspective making Clean Regattas – winner is the environment, the oceans and sea. Hosting a Grade 1 level event with worlds only pro Womens World Match Racing Tour that applause focus on sustainability Clean Regattas helping KDY- Royal Danish Yacht Club to spread our sustainable actions worldwide. Inspire other yacht clubs, gaining on lower budget while making a regatta sustainable.

Also, a big thank you to Sailors for the Sea to get inspired from more than 3.500 Clean Regattas since 2004 – which have included more than 1.000.000 sailors in more than 50



countries. With the Clean Regatta toolkit, it has been inspiring learning how to become even more sustainable.

Green Boating program was also helpful and inspired to bringing in new sustainable efforts such as oil absorbing pads to committee boat that is driven by an inboard engine. Preventing leaks pumped out to sea while using water pump that goes straight and unfiltered into the sea.



Women's Match Race Hosted by Royal Danish Yacht Club

PLATINUM LEVEL CLEAN REGATTAS CERTIFICATION

September 23 to 25, 2022


Emily Conklin
Program Manager


David Rockefeller, Jr.
Founder

KDY Womens Match Race – Womens World Match Racing Tour, in year 2022, achieved the Platinum level certification in 2022 from Sailors for the Sea, we all are humble and thankful receiving this for our sustainable acts. At last and most important, it is be given to only one winner, our oceans and sea. Join the race - to restore ocean health!

With concern for the environment growing every day, it is clear that our oceans are in danger. As sailors, we have all seen for ourselves the threats posed by plastic, pollution, oil spills, the depletion of marine life and marine habitat destruction. It is such a huge problem it can be hard to know where to start trying to make a difference as individuals. This is where Sailors for the Sea comes in.



KDY Womens Match Race Grade 1 - Final stage of Womens World Match Racing Tour 2023 is



CLEAN REGATTAS

Clean Regatta actions - Protecting the oceans - playing our part

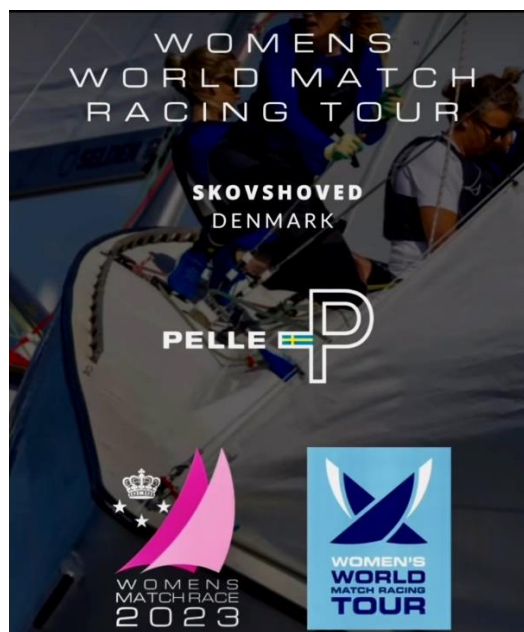
- 📌 World's first ever sailing medals made out of 100% recycled material, plate of brass from an old boat cut to medals and engraved with Womens WMRT-logo, hand painted with water based chalk
- 📌 Venue HalGodt buildings made of wood with a high focus as a sustainable venue
- 📌 HalGodt venue is powered with electricity from the sun. Power bank stations to catch any overproduction to be used later on.



- ☑ HalGodt making its warm water from roof panels heated by the sun and stored to be used when needed during their opening hours.
- ☑ HalGodt provided locally cooked food and soft-drinks at any time.
- ☑ Drafted soft-drinks served from air compressed system with no use of carbonic acid
- ☑ Dpol water cleaning electric hub in corners of harbor to collect floating waste
- ☑ Flags, merchandises and signs all reused from 2022
- ☑ 100% sustainable event with not a single sailboat or container shipped
- ☑ Public transportation such as trains, bus, Metro or bicycles
- ☑ Viggo.com electric vehicles, officials provided as taxis where train wasn't an option.
- ☑ Reusable water bottles given to new participants – volunteers reused theirs from 2022
- ☑ Water stations in front of boats spot and venue area, provided by Danish company Novafos
- ☑ MarkSetBot 100% electric self-sailing drone marks
- ☑ Reuse of signs on shore from KDY storage to use for events.
- ☑ Paper-free regatta, Facebook, Instagram, TikTok, WhatsApp and Manage2sail.com
- ☑ Genkrus reusable KDY-cups
- ☑ Stock left over technical long sleeves provided by Pelle to all participants and volunteers
- ☑ Stock left over technical sailor jackets provided by Pelle P and WWMRT to all participants
- ☑ 100% water based digital logo prints on regatta clothes
- ☑ Prize drop background made by water based printing, no chemicals and reused from 2022
- ☑ Harbor clean up by divers before and after regatta – 10 times in 2023
- ☑ World clean-up day 16/9-2022
- ☑ Only one rib used with gasoline powered engine cause use of Mark Set Bot marks
- ☑ Instructions given to drivers of boats to eliminate unnecessary speed to eliminate use of energy and fuel during event
- ☑ Skipperi.dk rescue boat 100% electric driven and a spectator boat with ultra-low emission Yamaha engines, no use of painting boats



- ☑ Aspen Alkylat gasoline 99% cleaner than ordinary - virtually free from ethanol, aromatics and benzene
- ☑ 100% female participation.
- ☑ not a single plastic water bottle used
- ☑ Food made from local kitchens Pasta la Pasta, Slagter Lund and Dhaba served in reusable ecofriendly plates, careful collected after use. Vegetarian food was provided all days and gluten free dishes,
- ☑ A sustainable team and divers
- ☑ Taxi's from Viggo.com was provided, local bike rental and 100% electric cars and for transportation
- ☑ Local accommodations hosted by club members as well as local community invited teams to stay local
- ☑ Sailors For the Sea Tool kit
- ☑ Committee boat supplied with oil absorbing pads to catch any leaks - inboard engine
- ☑ Methanol and electrified powerboat as spectator boat from Nordbjaergs.dk Jacob Jensen shipyard.



KDY – Royal Danish Yacht Club, SUSTAINABILITY TEAM

November 1th 2023



#WHERECHAMPIONSAREMADE