



*Tactical Sailing*<sup>®</sup>

A Game Against the Wind

# Tactical Sailing

Play Against the Wind  
Boat Against Boat  
Coach's Toolbox  
Highlights

## Idea and Concept

15 years Tactical Sailing  
2008 - 2023



Munich, 12. November 2023

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## Idea

- Learn to sail by playing
  - Demonstrate the principle of sailing, design an interesting game against 2 opponents, namely against the wind and another boat
  - Offer new tools in the PC program for beginners to make it easier to get started with sailing
  - Offer an "autopilot" as a sparring partner to compare with another boat
- Present difficulty levels in the game as simply as possible, e.g. recognise wind strength and direction, present encounters with other boats visually well
- For regatta sailors, impart special knowledge of strategy and tactics in order to master complex situations and optimise sailing routes

## Idea

- Learning through tactical tips
  - Sharing knowledge from experienced sailors and coaches: "We know one thing for sure: the wind is constantly changing! We have to make the invisible monster "wind" more visible - in terms of direction and also strength. This will make it easier for us to optimally utilize its power.
  - Method: Being able to replay typical situations using video clips with simple operation.
  - Learning objective: To simulate the most important tactical tips in the PC program. Tactics means constantly checking whether and how the goal can best be achieved in a specific game or regatta situation, reacting immediately, as quickly as possible and as effectively as possible to expected situations or unforeseeable changes.

## Idea

- Learning from experienced trainers
  - Knowledge from experienced trainers: With the toolbox, you receive scenes - ready to run - with which you can practise at any time and improve your sailing skills. The basic knowledge includes angling, dropping, tacking, jibing and optimising boat speed. Of course, it can also be used by all other sailors. Beginners learn the basics of sailing or experienced sailors perfect their knowledge of strategy and tactics in order to be optimally prepared for upcoming regattas.
  - Method: Qualified trainers and many coaches already use this special trainer toolbox in their work with the "Tactical Sailing" programme. It has been proven that this promotes attention and concentration when using the various animations, whereby the individual sequences can be changed individually as required.
  - Learning objective: Tactics means constantly checking whether and how the goal can best be achieved in a specific match or regatta situation, reacting immediately to expected situations or unforeseeable changes as quickly and effectively as possible.



## From the idea to the “highlights”

- ... from the idea to worldwide sales ...
- 2008 ... 2009 Idea and concept: simulating dynamic processes - explaining the physics of sailing
- 2010 Market launch Online premiere of the 1st version "Playing Against the Wind"
- 2010 Partnerships with prominent sailors: Julian Autenrieth German Champion Opti and 420er, Philipp Autenrieth German Champion 420er and 470er World Champion (GER), Mat Belcher (AUS) Olympic Champion 470er, Marvin Frisch German Champion Opti (GER), Nils Sternbeck Vice World Champion Opti (GER).
- 2011 ... 2019 Presentation at the trade fairs in Düsseldorf, Friedrichshafen and Hamburg
- 2011 Market launch of the "boat against boat" upgrade
- 2012 Awarded with "eureleA" - Best Media Didactics
- 2013 Market launch of the “Coach’s Toolbox” add-on for regatta sailors
- 2020 10 years of Tactical Sailing - Cup for the "anniversary offer"
- 2020 New version 2 with extended “Coach’s Toolbox”
- 2021 Worldwide sales via partners in Europe, North / South America, Australia
- 2022 Full version Coach’s "Toolbox" - more than 100 exercises, 14 boats, 64 wind variants
- 2023 Add-on Coach’s "Highlights" - 20 exercises as an introduction to the topic of 'Tactics' (available from 12 November 2023)

# 15 years of tactical sailing

- November 12, 2023 is a special day for us because “Tactical Sailing” started 15 years ago! Many thanks to all Tactical Sailing supporters and fans around the world who have accompanied us to this day and contributed to the development of the program.
- Language translator:
  - Pablo(ARG), Carolina(ESP), Petra(ITA), Davide(ITA), Philippe(FRA), Nuno(POR), Łukasz(POL), Vasily(UKR).
- Coaches and professional sailors with valuable comments:
  - Jochen(GER), Tilo(GER), Mark(GBR), David(USA), Mat&Will(AUS), Abby(GBR), Lutz(GER), Georg(GER), Hans(GER), Cyrill(SUI) , Riky(ESP,GER), Bastian(GER), Dragan(SLO), Zizi(POL), Kristian(GER), Kai(GER), Matias(ARG), Sigrid(MEX), Carmen(SUI).
- Sailing kids and active regatta sailors who demonstrated their tactical sailing skills with “Tactical Sailing”:
  - Julian & Philipp(GER), Marvin(GER), Nils(GER), Roko(GER), Mic(GER), Daniela(GER), Florian(GER), Benjamin(GER), Andi(ARG), Detlef( GER), Jonny(GER).
- The TS team wishes you continued fun with Tactical Sailing!  
Paul, Christian, Sibylle, Peter and Tobias.

# 15 years of Tactical Sailing – Coach's, kids and racing sailors



Coach's and professional sailors



Kids playing



Successful racing sailors



## Concept - Beginners

- Fun game "Against the wind"
  - A player steers their boat "against the wind", starting at the starting line, then following the course along the buoys to the finish line - in the shortest time and by the shortest route. When crossing the finish line, the time sailed is stopped.
  - The "opponent" is the wind and hinders the boat in its optimum speed by changing direction and strength. There are 8 levels of difficulty to measure your ability "against the wind".
  - The beginner can use a second boat as a "sparring partner", which is automatically steered by the computer (autopilot). The distance and time sailed serve as a comparison with your own boat.
  - Each game scene offers the option of automatically recording the route sailed and thus visualising the tactical decisions. You can analyse the route sailed and the speed and identify where there is potential for improvement.
  - Each game scene can be repeated as often as required with the same conditions, so the time sailed at the finish can be compared with previous results.
  - A "ranking list" shows the best results of the sailors and is published on the Tactical Sailing website.

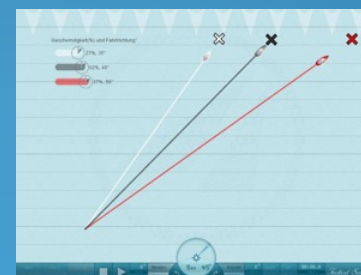
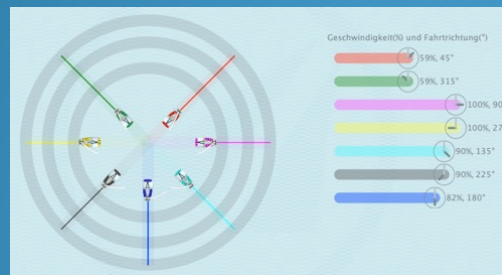
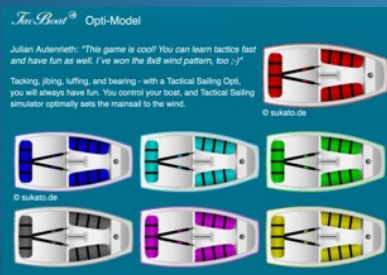
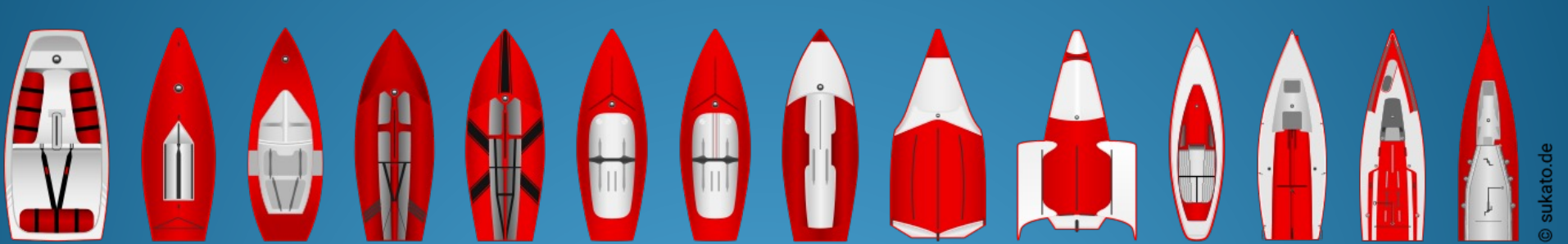
## Concept - Regatta sailors and coaches

- Strategy and tactics in the "Trainer Toolbox"
  - Exercises in strategy and tactics "Against the wind" and "Boat against boat"
  - Practising tactics from start to finish
    - Start line bearing, several courses upwind and downwind, windward buoy, leeward buoy, finish line position
  - Practising tactics against the wind in the regatta field
    - Left or right side, gusts, crossing with compass, reaching bow and distance cover
  - Practising special tactical situations
    - Switch point, curry tack, cross tack duck, puller and pusher
  - Designing "my own regatta"
    - 1x1, 2x2 and 4x4 wind conditions, setting your own course

## Realisation

### 14 Boats and their "boat speed"

The Tactical Sailing boats are steered using a polar diagram, which describes the speed of the boat depending on the wind strength and direction in a 360 degree circle. The boat speeds of the boats are different, e.g. 470s and 49s have different profiles.



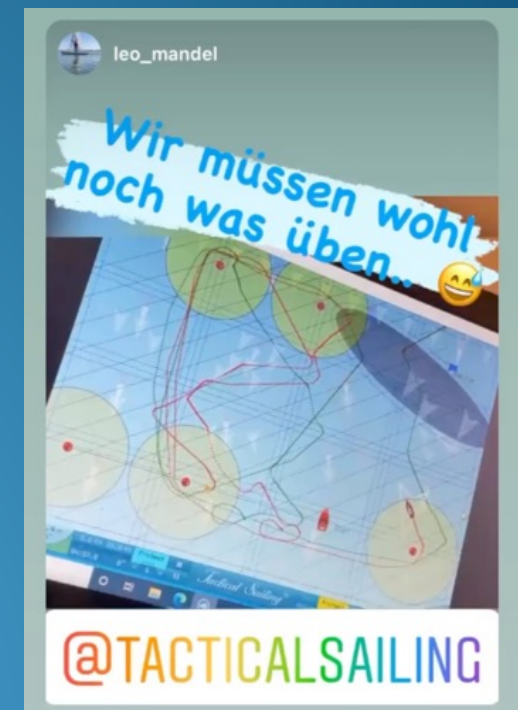
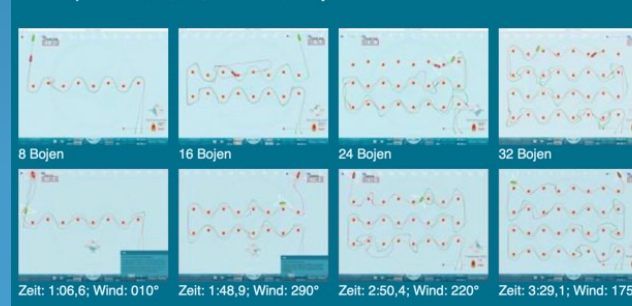


## Playing - "endless fun"

Fox hunt, zig-zag course, slalom, chaos. With the "game against the wind" and "boat against boat", you can gain your first sailing experience at Tactical Sailing, play and also learn a lot with the tips - such as the perfect use of strategy and tactics when sailing.



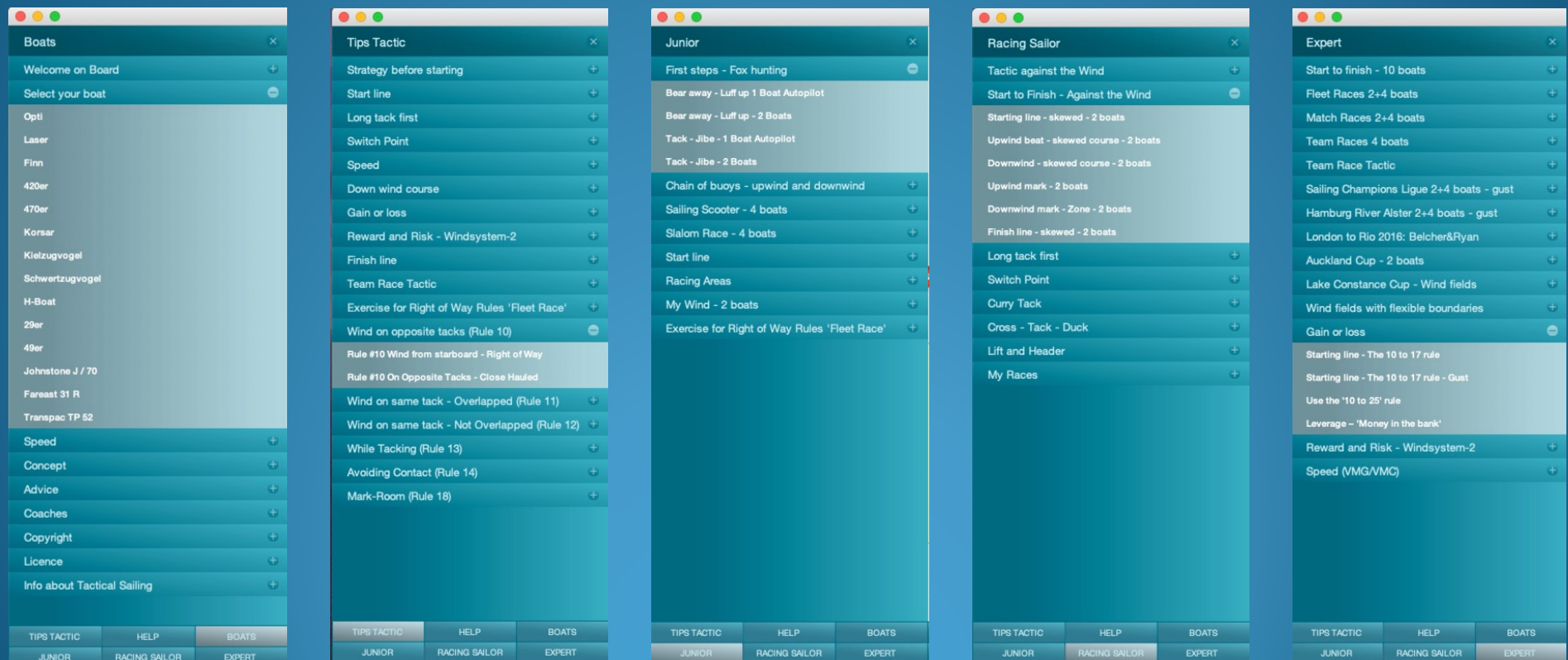
Slalomrouten mit 8, 16, 24 und 32 Bojen





# 100 Toolbox exercises

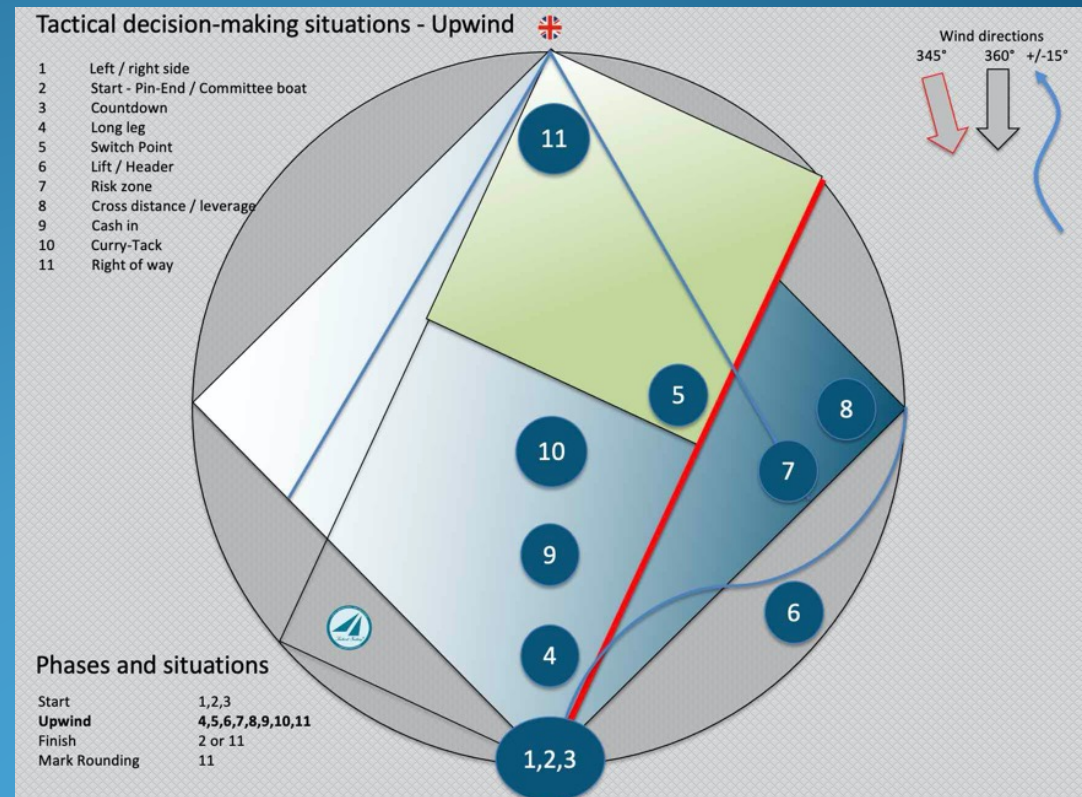
The high number 100 of tactical exercises is due to the special conditions on the regatta field. The wind offers 64 variations and blows in different directions and speeds in the exercises - just like in reality. You can train alone against an automatic "sparring partner" or sail "boat against boat" in pairs or fours. Up to 10 boats are your competitors at the start, the buoys and the finish line.



# 11 tactical decision-making situations on the regatta field

These exercises train the ability to make decisions, such as risk assessment and win-loss analysis. They are used by regatta sailors to prepare for cups and championships.

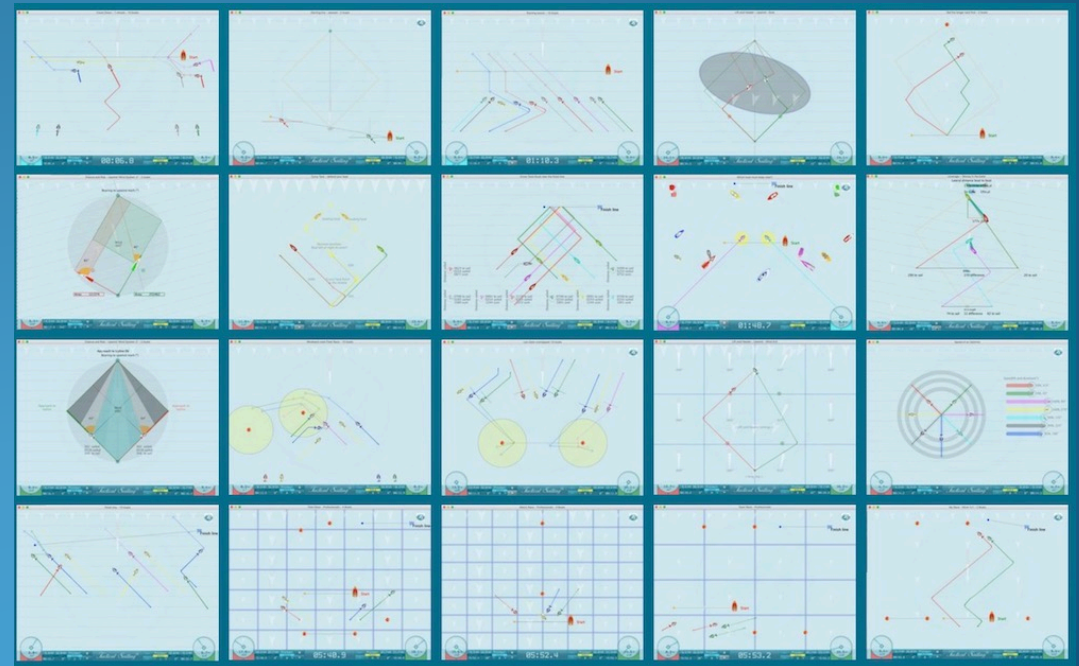
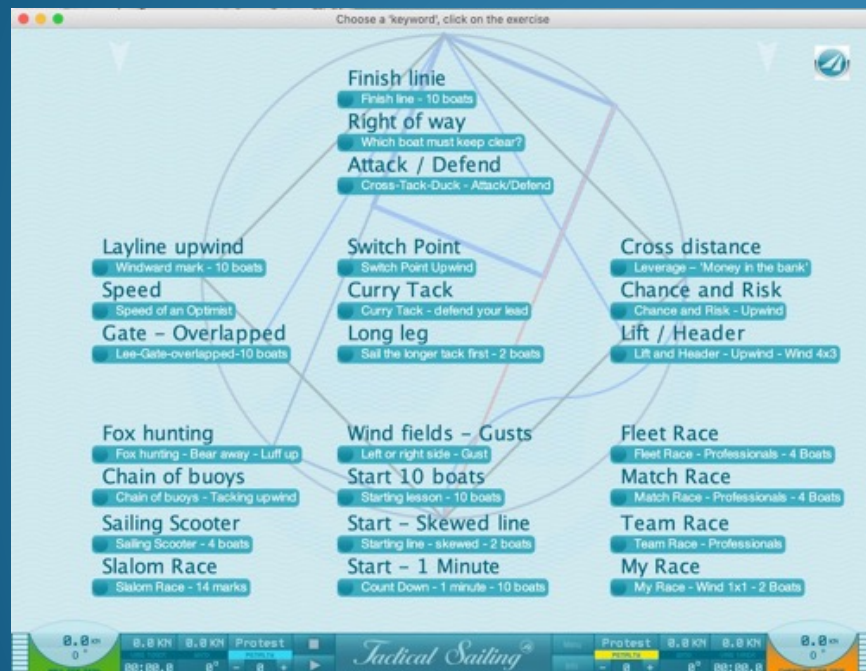
1. Left / right side
2. Pin-End / Committee Boat
3. Countdown
4. Stretch bow
5. Switch Point
6. Lift / Header
7. Switch Point
8. Cross Diamond
9. Leverage
10. Cash in
11. Curry turn
12. Right of Way





## 20 Highlights - "Introduction to the most important tactical topics"

The 'Trainer Highlights' are a selection of 20 tactical exercises from the overall programme of the 'Trainer Toolbox' with over 100 exercises. "Highlights" is an extra programme (add-on). Comment on "Highlights" by tactician Tilo Schnekenburger: "The super quick introduction to the most important tactical topics. Ideal for training work." If you want to end a training session with "fun sailing", choose a game for two or four players.



# Opinions of sailors, experts and professionals

- Jochen Schümann
  - "The physics of sailing constantly forces you to make a clear decision. ..." (Manager Magazin)
  - Very interesting discussion about: "Risk and Reward" with Tactical Sailing.
- Mat Belcher & Will Ryan (AUS 11)
  - "I'm using the game in preparation for the Olympic Games. I am fascinated. This game really has the merit of increasing your tactical skills.
- Abby Ehler (GBR) and Tom Ehler (GER) playing "Slalom Sailing".
  - "And just for the record: I won!" Tom Ehler. They experienced a very turbulent wind and had a lot of fun.
- Tilo Schnekenburger - "The tactical fox"
  - Toolbox: "... an extremely valuable teaching and learning aid, ... with the help of which, in addition to virtual "regatta sailing", the visualisation and calculation of a large number of tactical situations is possible, especially in the "Trainer Toolbox" module." Highlights: "The super quick introduction to the most important tactics topics. Ideal for training work." Excerpt from his book "Die Geometrie des Regattasegelns" (<http://www.schnekenburger.click>).
- Partnerships with prominent regatta sailors
  - "The game is great, you can learn tactics quickly and have fun at the same time!" Julian Autenrieth German Opti and 420 champion. Philipp Autenrieth German Champion 420 and 470 World Champion (GER), Mat Belcher (AUS) Olympic Champion 470, Marvin Frisch German Champion Opti (GER), Nils Sternbeck Vice World Champion Opti (GER)
  - "Tactical Sailing makes it possible for everyone to understand the complexity of the wind for regatta sport in just a few hours
  - make. Many people think that the other boats determine the success or failure in a regatta, but the real "opponent" remains
  - Wind that never blows constantly." Kay Niederfahrhorst, German champion 2022 in the H-boat (GER).
  - "I can train tactics well with Tactical Sailing". Jonny Seekamp 2023 1st place in the U13 ranking, 10th place overall German Championship IDJM.



## Opinions from Coach's

- Trainers use the Tactical Sailing program to:
  - To explain 11 tactical decision-making situations on the regatta field.
  - 16 tactical exercises to train “against the wind”.
  - 22 tactical exercises to train “boat against boat”.
- Comments
  - Eran: "I used the scenario "Against the Wind - First Strike". And it was really good to show them "Line Bias", the disadvantage of sailing in a "Header at the start". And also "Layline changes in shifts".
  - “Attack or defend? (Cross-Tack-Duck) For the strategically-tactically thinking regatta sailor, “Cross – Tack – Duck” is a highly complex decision-making situation.”
  - “Learn strategy and tactics while playing, perfect!”
  - Trainer training from the Berliner Segler-Verband e.V. and the Seglerjugend.berlin on the Tactical Sailing software “... to impart tactical knowledge when sailing in a new and very appealing way. The participants gained a lot of knowledge and had a lot of fun.”
  - George Blaschkiewitz: "The children quickly understood... that everything on the water today was different than usual - the "dry training" on the PC was noticeable."
  - Lutz Kirchner: “Sail the straight bow first. With the help of the simulation in the Tactical Sailing program, I can show very well why you can achieve an advantage.”
  - Riky Stadel: "Tactical Sailing“ - learn while playing!

## Opinions from students

- High school – sailing and mathematics
  - Katrin: In spring 2018, the teacher Dr. Katrin F. told us, “a student would like to use the Tactical Sailing program for her winter seminar work, ...”. Sailing and mathematics - do they go together? It is quite easy to explain what connects sailing and mathematics. Evidence of this is the seminar paper by 17-year-old high school graduate Julia G. from Erlangen with the title: “Mathematical and strategic consideration of the up and down regatta course”.
  - Nicole: “I sometimes practice math with my girls... for them math is stupid - except for geometry. But it is precisely for them that interest in sailing theory can be aroused through geometry. And vice versa, it helps children who love sailing to potentially awaken their interest in math and geometry,” says Nicole Walkowiack (teacher and trainer VSW Berlin).
- Online workshops – feedback - informative and wanting more
  - "In 'Playing Against the Wind' you have to deal with a difficult opponent who is difficult to predict and always has new surprises in store for you and your boat - the wind."
  - "Great idea to do such a workshop in these stupid times (Corona). Thank you very much!"
  - “Thank you very much for creating a platform for sailing to engage in our favorite leisure activity in these times (Corona). It was highly informative and left me wanting more.”

## Further information

- Websites Tactical Sailing
  - <https://www.tacticalsailing.com/de/> German
  - <https://www.tacticalsailing.com/en/> English
  - <https://www.tacticalsailing.com/es/> Spanish
- Social Media
  - Facebook: [www.facebook.com/TacticalSailing](http://www.facebook.com/TacticalSailing)
  - Instagram: [www.instagram.com/tacticalsailing](http://www.instagram.com/tacticalsailing)
  - Twitter: [www.twitter.com/TacticalSailing](http://www.twitter.com/TacticalSailing)
  - YouTube: [www.youtube.com/@TacticalSailing](http://www.youtube.com/@TacticalSailing)
- Documents (select the desired language German, English or Spanish in the link: /de, or /**en**, o /es)
  - First steps: [www.tacticalsailing.com/en/downloads/first-steps](http://www.tacticalsailing.com/en/downloads/first-steps)
  - Operations: [www.tacticalsailing.com/en/downloads/documentation/program-reference-guide](http://www.tacticalsailing.com/en/downloads/documentation/program-reference-guide)
  - Toolbox: [www.tacticalsailing.com/en/downloads/documentation/coachs-toolbox](http://www.tacticalsailing.com/en/downloads/documentation/coachs-toolbox)
  - Highlights: [www.tacticalsailing.com/en/downloads/documentation/coachs-highlights](http://www.tacticalsailing.com/en/downloads/documentation/coachs-highlights)
  - Language version: [www.tacticalsailing.com/en/downloads/language-versions](http://www.tacticalsailing.com/en/downloads/language-versions)
  - Racing list: [www.tacticalsailing.com/en/lounge](http://www.tacticalsailing.com/en/lounge) (Lounge registration required)
  - About us: [www.tacticalsailing.com/en/about-us](http://www.tacticalsailing.com/en/about-us)