

11. Particular Health and Safety hazards and the design response

The health and safety hazards are generally the same as are present for yacht or dinghy sailing. Hazards which are particular to the *WINDFLY Rig* include:

Hazard	Risk	Design Response
Entanglement with overhead power lines.	<p>Electrocution of the crew.</p> <ul style="list-style-type: none"> This hazard also applies to sailing yachts and dinghies: care has to taken to avoid running the mast into power lines. Since the kite moves relative to the boat the risk is greater. This hazard also applies to kite surfing: care must be taken to avoid flying the kite into power lines. However, as kite boats are more likely to enter unfamiliar waters the hazard is greater. 	<ul style="list-style-type: none"> As in sailing and kite surfing care is required to avoid overhead power lines. A quick release system is incorporated into the <i>WINDFLY Rig</i> which allows the boat to be immediately separated from the kite and the <i>WINDFLY Rig</i>.
Entanglement with bridges, masts and towers	<p>Loss of control of the boat.</p> <ul style="list-style-type: none"> This hazard also applies to sailing yachts and dinghies: care must be taken to avoid running the mast into bridges. Since the kite moves relative to the boat the risk is greater. This hazard also applies to kite surfing: care has to be taken to avoid flying the kite into obstructions. However, as kite boats are more likely to enter unfamiliar waters the hazard is greater. 	<ul style="list-style-type: none"> As in sailing and kite surfing care is required to avoid obstructions. A quick release system is incorporated into the <i>WINDFLY Rig</i> which allows the boat to be immediately separated from the kite and the <i>WINDFLY Rig</i>.
Entanglement with other vessels, particularly large ships.	<p>Loss of control of the boat. The boat may be swamped or drawn under the ship.</p> <ul style="list-style-type: none"> This hazard also applies to kite surfing: care must be taken to avoid flying the kite into other vessels. 	<ul style="list-style-type: none"> As in sailing and kite surfing care is required to avoid other vessels. A quick release system is incorporated into the <i>WINDFLY Rig</i> which allows the boat to be immediately separated from the kite and the <i>WINDFLY Rig</i>.
Entanglement with other kites and lines	<p>Loss of control of the boat. Possible collision with other vessels or obstructions.</p> <ul style="list-style-type: none"> This hazard also applies to kite surfing: care has to be taken to avoid entanglement with other kites and lines. 	<ul style="list-style-type: none"> As in kite surfing care is required to avoid entanglement with other kites and lines. A quick release system is incorporated into the <i>WINDFLY Rig</i> which allows the boat to be immediately separated from the kite and the <i>WINDFLY Rig</i>.
Boom and lines sweeping across the deck	<p>Crew hit by the boom or lines and injured or knocked overboard.</p> <ul style="list-style-type: none"> This hazard also applies to sailing yachts and dinghies: care has to taken to ensure that the crew is not hit by the boom as it swings across the deck. Given the large radius of the kite movements the boom and lines move more slowly across the deck of a kite boat and the risk is therefore lower than in a traditional sailing boat. 	<ul style="list-style-type: none"> As in traditional sailing, care is required when the boom and lines cross the deck. A "roll bar" arrangement can be provided to guide the boom and lines above the heads of the crew.