UpSideUp

features list *(non exhaustive)*

Function	Details
Detection and measures	
Measurement of the yacht behaviour	Angles - rate of turn - accelerations
Load measurement in the rigging	Shrouds, Forestays, Mast foot compression, Mainsheet, Foresails sheets, …
Accelerations measurement	Slamming, mast head acceleration, …
Floodind detection	In any compartment of the hulls
Daggerboards and foils positions monitoring	
Sails hooking monitoring	
Security Functions	
Anti-capsize	Heel and nose diving triggering
Autopilot control for heel regulation, emergency stop, …	Heel and rig loads triggering, MOB emergency
Load limiter	Rig and structure load triggering
Wind triggering	Wind strength gradient, True wind speed and Apparent wind speed
Depth Triggering	Maximum boat speed depending on the water depth
Man Over Board management	Personnal AIS MOB beacon, MOB button, Remote control, assist recovery function
Collision course management	AIS source
Multi Alarm manager	All onboard alarms centralized by the UpSideUp system
Data logging	
Accident investigation	high frequency recording of all data onboard
Contextual logging for design team or performances analysis	Recording upon thresholds according to user settings
Historical overview of the vessel activity	Recording of the activity events or atypical conditions and behaviour during the boat lifetime
Max values records	Recording of max or min ever reached value
Sails use	Recording of the sails configuration
Miscellaneous Functions	
Management of routine handling of the winches, captivereels, furlers, and any hydraulic and electrical systems	Centralized and remote control panels or touch screen displays to control all the rigging and boat handling components - Personalized user interfaces
Automatic side change for the mast lighting	On rotating mast - depending on the TWA, AWA or Mast angle
Individual sail service life monitoring	RFID tag or depending on the loads in the rigging
Max, min, average calculation on any data	Any data chosen by the user
Any application for special projects	Cost effective and efficient time development of any function on request
User Interface	
UpSideUp ControlCenter	System control and monitoring software
Remote display on rugged touch screens	Data monitoring, MOB function, Flooding detection function…
Remote command buttons	
Wireless remote control	Sail dump, MOB command,…