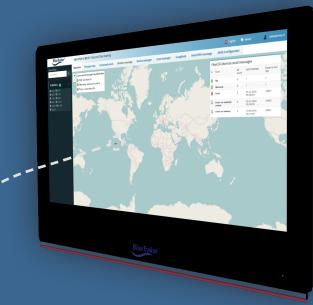


Advanced Management over BlueTraker IoT Ecosystem

Y I







Gain Insight into Fleet Activity ____

SecondScreen is a web-based software application that delivers valuable insights about fleet fishing activities directly to Fisheries Monitoring Centres (FMCs).





Advanced Monitoring

Advanced user interface enables FMCs to seamlessly monitor and manage their fleet's fishing efforts contributing to more sustainable fisheries management.

Fleet Performance Control

With direct command options SecondScreen allows for comprehensive diagnostic and performance control over your fleets movements on the sea.



Stay in Touch

When your VMS is paired with the Octopus 10 terminal FMCs can directly communicate with fishermen allowing reception of information directly from the seas.



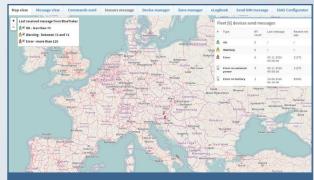
This interactive application enables advanced real time tracking, monitoring and control over BlueTraker devices through an innovative, user friendly and feature-rich software interface.

SecondScreen Advantages

Advanced interface enables device performance diagnostics and comprehensive remote performance control over BlueTraker devices, with direct input command option.



SecondScreen Functionalities



Map View

Enables the FMC to gain an up-to-date geographical view of their fleet's activities and their current diagnostic status.



View the precise location of every vessel

Simple 'traffic light' system shows whether vessels are reporting on a normal schedule

'Mouse over' vessel shows the last received message including: Type of message; Geolocation and Reporting channel

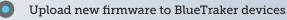
Map view	Message view	Commands send	Sensors message	Device manager	Zone manager	eLogBook	Send HMI message	SSAS Configurator
Send co	ommands							
Primar	y Secondary	Firmware Alert			Co	mmands histo	гу	
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	Sende	commands Navigatio	n poll n poll command		06.0	09.2016 01:34:08	command POLL chanell All s	ent to device 7734
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	Sende	commands Clear file	system system command					

Commands Send

FMCs can easily send commands to their fleets on the sea from the comfort of their office.

Navigation	and	Diagnostic	poll	comm	ands
5		5	-		

Change reporting interval or send High-resolution data requests



Map view	Message v	lew Commands	send Ser	nsors mess	lage De	vice manager 3	one manager	eLogBook	Send HMI message	ISAS Cont	figurator			
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Tec		11.11.2016 16:35:37		Type:		II AI			Search					
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72850433	16323	11.11.2015 14:01:57	11.11.2014	8 13:57:26	dPRS	10	15.2994283	46.23254				false	true	
72850428	16323	11.11.2016 14:01:52	11.11.200	613:48:52	OPRS -	10	15.2994105	46.23369				false	trice	
72850422	16923	11.11.2016 14:01:47	11.11.2054	6 13:48:17	GPRS	10	15.2996083	46.2228916				false	Drule	
72850421	16323	11.11.2016 14:01:42	11,11,200	\$13:46:10	GPRS	10	15.2996083	46.2328665				false	true	
72850438	16323	11.11.2016 1401:38	11.11.2050	13:39:25	GPRS	Diagnostic	15-2996216	46-222853				false	fable	
72850413	10323	11.11.2016 14:01:31	11.11.200	12:31:22	GPRS	Diagnostic extended	15.299575	46.2228733				false	Drue	
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72850288	16312	11.11.2016 14:00:51	11.11.2001	14.00:36	GPRS	Navigation	15.2997500	46,232935		0	0	false	DIDA	
72850367	16112	11.11.2016 13:59:56	11.11.2014	1259:18	GPRS	Navigation	19.587515	41.81336		63	79	fatse	bhae	
72850336	16300	11.11.2016 13:59:08	11.11.201	6 13:57:26	GPRS	10	15.2996110	46.2328716				false	true	
72850334	16300	11.11.2010 13:59:03	11.11.201	6 13:57:10	GPRS	Navigation	15.2996510	46.2328560			151	failse	0104	
72850227	16162	11.11.2016 12:50:55	11.11.200	12:58:45	GPRS	Navigation	15.2997306	46.22292		0	0	false	true	
73450308	16163	11 11 2010 12-58-54	11 11 201	112-12-10	hiters.	10	15 33473	46 33335553				Palain	Table	- 6

Message View

Allows FMCs to view the recent message history of all vessels in their fleets.

- Select reporting time period to see historical data
 Filter by message type (Diagnostic,
 - Activation, Status poll etc.) or reporting channel (Iridium or GPRS)

Export to Excel function allows further analysis

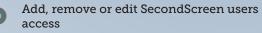
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Accounts		T		(T						
		4037	Albania VMS							
	0106	4505	Albama VMS							
		4743	Albania VIIS	3002249315538400						
			Albania WKS							
	4771	4771	Albanda VMS	300234030638200						
	4575	4625	Atturna Wits	300234010672160						
	#765	4795	Albania VMS	800230030558130						
			Adbanca WKS	200224019522300						
	490.0	6424	Albania VMS	100234020935230						
	4525	4821	Albaeka WIIS	103234030537200						
		4833	Albanka VMS	300234310534260						
	4014	4504	Atsania WKS	2002/34030536400						
			Albania WKS	1002240324339870						
	4641	4641	Albacka VMS	100234010436870						
		4382	Atbanka VMS	300234030635110						
	4627	4637	Albania VMS							
	4062	4550	Albania WIS	300234316539400						
	4617	46.27	deactivated	203234032631100						
	4025	4625	Albumia VMS							

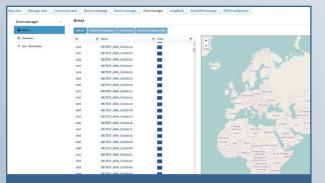
Device Manager

Manage BlueTraker devices and user access.



Add, remove or edit BlueTraker terminals within the fleet





ZoneManager

Zone manager allows FMCs to easily add, remove or edit geozones and synchronize them to individual vessels, groups or the entire fleet.

- Customize reporting frequencies for
- individual/group or entire fleet in specific zones
- Add seasonal/temporary geozones that can be activated/deactivated when there are specific spawning events
- Tailor high frequency reporting for at-risk marine areas
- Select reporting channels (GPRS or Satellite) to save on costs

From	14.11.2008	3:42		Device type:	Wind	chServz	Y	Public device id:			Vessel - WSN info	
Toc	14.11.2005	9:42		Status type:	Activ	36	~			Search	Vessel name Rho-Traber ID	97 - N
Message ID	Message type	Device ID	Receive time	GPS time	Channell	Messa	Longitude	Latitude	Code Actio	Directions F		CW
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Sensors Message

Message and Map view allows FMCs to view precisely when and where their fleets are fishing through BlueSenz technology.



View precise GPS coordinates of exact fishing locations and time spent fishing

- Detailed fishing activity data (net deployed location, net haul location)
 - Export function allows deeper analysis

											-
lagbook I	91	Device ID:			Status		Starti		Endi		Search
					i All status	•			•		
	ID	Device ID	Captain	Status Name	Start trip	End trip		Departure Port	Londing Port	Gear Name	Comment
Dip	el .										

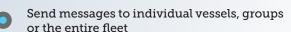
Direct access into the eLogbooks helps FMCs to determine what the current catch haul is; whether quota limits are going to be reached.

- See whether vessels are up-to-date with logbooks in one quick glance
- Compare levels of bycatch by vessel or across the fleet
- Investigate discrepancies into reported vs landed catches
- Reduces the 'busywork' of data reentry
 - Adapt management strategy / techniques quicker than ever before

Nap view Message view	Commands send Sensors message Device manager Zone manager eLogBook Send HMI message SSAS Configurator
nd HMI	
MI messages Other	
MI messages	
Send new message	Compose new message
A History	From
	Subject
	Ted
	El Send
C	end HMI Message

FMCs are able to communicate crucial information to their fishing fleets.





Alert fishermen to storm warnings / potential threats at sea

Key Features of SecondScreen ____

Advanced Vessel Tracking with Real-time Data View

Stay up-to-date with your fleet's every move. Analyze results through comprehensive performance reports. Monitor trips from start to finish with full access to historical information.

Fast and Simple Communication with Messaging

Clear communication between FMC operators and vessel managers is ensured.



Increased Efficiency

Significantly reduced time and cost for data analysis and data management.



Easy to Understand

Enjoy a state-of the-art user interface that is clearly arranged, simple and quick to use.



Configuration and Global Access

With SecondScreen, there is no software to install and maintain. Simply login to the SecondScreen interface with your BlueTraker ID and manage information about your fleet.



Control access by granting the users or groups with the rights to only the information they need to perform their jobs.

Fisheries Data in One Place





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