

## POWER UP PROCEDURE

## Lights code

Light	OFF	ON	Blinking
Red	Output cables are not powered. No running	Output cables are powered.	An automatic sequence is running
Dhue	sequence.	Chara Day is available	Chara Day is available
Blue	available.	without alarm.	but there is a blocking alarm.

#### 0 – Prerequisite

The ShoreBoX is available and ready for power-up: blue light switched on and red light off.

The ship is connected thanks to the mobile plugs of the CMS.



#### 1 – Access to the ship selection display

#### Press the top banner area as follows



Then the following display appears:





## 2- Select the ship selection display

#### Press the internal tab as follows

_			0010 0101		Cherris and
horeBoX					
Availability	Safety Loo	p Ship	Fine tuning		
Availability Ch	eck				
🔰 Autometic m	ode selected		Compact ShoreB	aX environment i	s ON
No "shutdow	n" tevel failure a	ctivated	🖉 GFC room tempe	ratura > 0 °C	
No "shutdow	n expected" lev	el failure activated	C room tempe	raturə < 45 °C	
3 No "Starting	locked" level fai	lure activated	and the second	ity < 95 %	
			Shorebox Test m	ode is OFF	
					Close

Then the following display appears:

Shore Co ShoreBoX L3 1 MVA	HMI Activ	STARTS LOCKED	NG ) e alarm	AVAILABLE Ready for Power up 60 Hz 0 kW	AUTOMATIC	17/06/16 225.51pm Click to strap
horeBoX						
Availability	Safety Lo	op	Ship	Fine tuning		
Ship selection						
1M0	Ship Name			Voltage Frequen	cy Feeden	
1234567 0	imi			690 V 60	Hz S	9
			POWER UP	POWER DOWN		Submit



#### 3-Select a ship or add a new one

If the displayed ship is the ship to be connected, then press the case "power-up" and go to chapter 4.

If not, then press the case to access to the list of ship already registered and **go to chapter 3-1**.





#### 3-1 – Select a ship already registered

Press the tick case of the wished ship ("MS NBN" ship in the example), confirm the choice pressing "Choose" case and come back to the ship selection display to start the power-up sequence.

If the ship is not registered, then **go to chapter 3-2**.

Filter b	y IMO or N/	ME:		1	
	шо	Name	V Hz Feet	i.	
	1111111	FIRST ONE	440 V 60 Hz 3	Data	base :
	1234567	GMI	690 V 60 Hz 3		Raus
	5551114	кн	440 V 60 Hz 1		59970
	1234444	MS NEN	440 V 60 Hz 3		Add ship
				Sete	cted ship :
					Dalote
					Edit
					Choose

L	ShonBaXLV	LOCKED	Ready for Puwer up		AUTOMATIC	17/06/16 2.26.04pm	6
ک	1 MVA HMI Activ	1 active alarm	60 Hz 0	кW		Click to snep	100
p D	atabaso Managomo	nt					×
Iter	by IMO or NAME :			1			
	IMO Name		V Hz For	d.			
	1111111 FIRST O	NE	440 V 60 Hz 3		Databa	50	
	1234567 GMI		690 V 60 Hz 3				
	5551114 KH		440 V 60 Hz 1			Save	
	1234444 MS NEN	i:	440 V 60 Hz 3			Add ship	p
					Select	d ship :	
						Databa	
						Edit	
						Chome	
							-
	The second second					N.	-
Y	1/1 ^	4 ships in database - Ar	tual litter returns 4 results			4	1
						2	1
							1
	Shore Connection	STANTING	AVAILABLE		AUTOMATIC	17/06/16	-
2	Shore Connection ShoreBaxLV 1 MVA HMI Activ	STANTING LOCKED 1 active alarm	AVAILABLE Ready for Power up 60 Hz 0	kW	AUTOMATIC	17/06/16 2.25.04pm Click to shap	6
<b>P</b> 0	Shore Connection ShoreaxLV 1 MVA HMI Activ	STARTING LOCKED 1 active alarm	AVAILABLE Ready for Passer up 60 Hz 0	kaw	AUTOMATIC	17/06/16 2 26:04pm Click to snep	) ×
ip D	Shore Connection ShoreExtU 1 MVA HMI Activ atabase Management by IMO or NAME :	STANTING LOCKED 1 active alarm	AVAILABLE Ready for Passer up 60 Hz 0	кw	AUTOMATIC	17/06/16 2/2604pm Click to prep	© ×
p D	Shore Connection ShoreSALU 1 MVA Hell Activ atabase Managemon by IMO or NAME :	STATUTING LOCKED 1 active slame	AVAILABLE Ready for Power up 60 Hz 0	kW	AUTOMATIC	17/06/16 2.26.04pm Click to snap	×
p D	Shore Connection ShoreSXLV 1 MVA Hell Activ atabase Managemol by IMO or NAME : [ IMO Name	STANTING LOCKED 1 active slam	AVALABLE Ready for Power up 60 Hz 0	kW d.	AUTOMATIC	17/06/16 2.25.04pm Click to grap	×
ip D	Shore Connection SeeRectV 1 MVA Hell Activ atabase Managemer by IMO or NAME : [11111 FIRSTO 133672 Oct	STANTING LOCKED 1 active slam	AVAILABLE Render fon Power up 60 Hz 0 V Hz Fee 440 V 60 Hz 3	kawi d.	AUTOMATIC	17/06/16 2.2604pm Click to misp	×
iip D	Shore Connection SeeRXVV 1 MVA Fell Adiv atabase Managemon by IMO or NAME : 1111111 FIRST 01 1234567 GMI 9551116 EH	STANTING LOCKED 1 active stam	AVAR.ABLE         Reads for Power up.           Reads for Power up.         60 Hz         0           40 V         60 Hz         3           60 V         60 Hz         3	kw d.	AUTOMATIC	17/06/16 2.2604pm Click to snipp See : Save	×
iip D	Shore Connection SeeRXVV 1 MVA PMI Adiv atabase Managemoi by IMO or NAME : 1111111 PRST or 1234667 GM 5551114 M1 123444 M5 NEX	STAILING LOCKED 1 active starm	VAR.ABLE         Fixed: for Power up:           Reads for Power up:         60 Mz         0           40 V         Hz         Fee           440 V         60 Hz         3           690 V         60 Hz         3           400 V         60 Hz         3	kw d.	AUTOMATIC Databa mi mi	17/06/16 2:2504pm Click to snap	×
iip D	Shore Connection See State at a base Management by IMO or NAME : [111111 FRST of 1234557 GM 5951114 KH 1234444 MSNEN	STANIES LOCED 1 ective alarm	AVAILABLE         Common C	kaW d.	AUTOMATIC Databa mi Selects	17/06/16 2.2504pm Click to map Click to map	×
iip D	Shore Connection ShoreXLV It MVA Hell Activ Intubase Managemon by IMO or NAME : INMO Name INMO Name INMO Name INMO Name INMO Name INMO Name INMO Name	STANTING LOCKED 1 active starm nt	VVA. KMC           Ready for Power up:           60 Hz           40 V           60 Hz           40 V           40 V           40 V           40 V           40 V           40 V           60 Hz           40 V           40 V           60 Hz           40 V           60 Hz	kaw d.	AUTOMATIC Databa Selecte	17/08/16 22504pm Clob to snip Clob to snip Save Add ship sd ship :	
hip D	Shore Connection ShoreXXV atabase Managemor by IMO or NAME : IMO Name IIIIIII FIRSTO 123657 GAI 5951114 RH 123444 MS NEN	STANTING LOCKED 1 ective slave nt	VALABLE         Read-to Power up           Read-to Power up         60 Hz         0           V         Hz         Free           409 V         60 Hz         3           409 V         60 Hz         3	kaW d.	AUTOMATIC Time Databa Time Selecte	12/00/16 2.2504e Olek to anep Olek to anep Add ship Datoto	
iip D	Shore Connection ShoreXXV atabase Managemei by IMO or NAME : IMO Name IIIIIII FIRSTOC 1234657 GM 5951114 KH 1234444 MS NEN	STANTING LOCKED 1 active slarm nt	VALABLE         Power up           Rash for Power up         60 Hz         0           V         Hz         Free           440 V         60 Hz         3           560 V         60 Hz         3	kW d.	ALITOMATIC T Databa T Selecte	12/00/16 22504e Cick to snip Cick to snip Cick to snip Add ship Dutlots Edit	×
ip D	Shore Connection ShoreXIV 1 MVA FMI Aciv atabase Managemen by IMO or NAME : 1111111 FIRSTOL 123457 GM 5951114 FM 123444 M3 NEN	STANTING LOCKED 1. active slarm	AVALANCE           Rash for Power up           Go Hz         0           V         Hz [Fee           440 V 60 Hz         3           440 V 60 Hz         3	kawi d.	AUTOMATIC Databa m. Selects	12/00/16 22504es Clock to snop Clock to snop Add ship Dutlots Edit Choose	×
ip D	Shore Connection ShoreXVV 1 MVA Fell Activ atubase Managemei by IMO or NAME : IMO Neme IIIIIII FIRSTOI 1234567 GMI 5551114 RH 1234444 MS NEN	STANDERS LOOKED 1 active starm nt	VVA.4882         Provide for Prover up for the for Prover up 60 the         O           V         Hz         Free           400V         60 the         3           600V         60 the         3           400V         60 the         3           400V         60 the         3	kaw d.	automatic Databa m m Solocta	12/00/16 225045 Click to ange See : Savis Add ship : Datots Edit Choose	<ul> <li>×</li> <li>,</li> </ul>
iip D	Shore Connection Shore KIV IMVA Hell Aciv Intubase Managemon by IMO or NAME : IMO Name IIIIIII FRSTor 1234657 GM 5551114 RH 123444 MS NEN	STANTING LOOKED 1 active starm nt	VVA. KMC           Rode for Prover up           66 16         0           40 V         60 16         3	kw d.	AUTOMATIC Dutaba m Selects	12/00/16 22504 Click to ange Sevie Add ship : Dutots Edit Choose	×
iip D iiter	Shore Connection ShoreXIV atabase Management by IMO or NAME : IMO Name IIII FIRSTO IIII FIRSTO SS51114 NH IIIIIIFI SS51114 NH IIIIIIFI SS51114 NH	STANTING LOCKD 1 ective alarm nt NE 4 shipp in database - Ac	AVAE ARKE         Read-to Flower up:           Read-to Flower up:         60 lbr         0           60 lbr         0         3           40 V         60 lbr         3           660 v         60 lbr         3           40 V         60 lbr         3	kaW d.	AUTOMATIC Databa m Selects	1220046 22004m Click to anip Click to anip Click to anip Click to anip Add ship Click to anip Datatas Edit Choose	× ×
hip D Filter	Shore Connection ShoreConnection ShoreConnection I MVA Refl Activ I MVA Refl Activ I MVO or NAME : I MO Name I MO Name I MINO NAME : I MO Name I MINO NAME : I M	STATTERS LOCKD 1 ective slave nt 4 ships in datases - Ac	AVALANCE           Read-for Power up           60 Hz         0           40 V         60 Hz         0           40 V         60 Hz         3	kw d.	AUTOMATIC	1220046 220046 Click to anip Click to anip Click to anip Click to anip Add ship : Dufotos Edit Choose	× ×
hip D Filter	Shore Connection ShoreSection ShoreSection I MVA Fedi Activ Atabase Managemen by IMO or NAME : I III O Name I IIII III FIRSTOO 1234444 MS NEN 5951114 FM 1234444 MS NEN	STANTING LOCKUD 1 active state nt NS 4 shipp in database - Ac	VVA. 488.21           Paska bit Power up           60 Iz         0           60 Jz         0           40 V         Hz           40 V         60 Hz           40 V         60 Hz           40 V         60 Hz           440 V         60 Hz	kw	automatic	12200416 22004m Clock to snip Clock to snip Clock to snip Add ship Clock to snip Add ship Clock to snip Clock to snip	× ×
hip 0 Filter	More Connection           Shore Connection           Shore XLV           IMVA         Hell Acia           balabase Management           by IMO or NAME :           IMVA	STANSING LOCKUD 1 active slam nt NS 4 shipp in database - Ac	AVAC AND C           Reads for Power up           66 16           0           40 V           60 16           40 V           60 16           3           600 V           60 16           3           600 V           60 16           3           40 10 V           40 10 V           60 16           3           40 10 V           10 10 V           10 10 V	kw	automatic Databa m Solocta	12200416 22504m Clock to snip Clock to snip Add shipp : Datates Edit Choose	× ×
hip D	Shore Connection Shore Connection Shore LV atubase Managemon by IMO or NAME : IMO Name 111111 FRISTON 1234657 GM 5551114 RH 123444 MS NEN 124444	STANTING LOCKD 1 ective starm nt NE 4 onipo in database - Ac	AVAC AND E           Ready for Proven up           Go 1e         0           60 1e         0           40 V         60 1e         0           40 V         60 1e         3           600 0         10         10           440 V         60 1e         3	kawi	AUTOMATIC	1220046 220046 2004 to mip Clock to mip Clock to mip Clock to mip Add ship : Dallotte Edit Choose	×
Filter	Shore Connection Shore Connection Shore XIV atabase Managemen by IMO or NAME : IMO Name 1111317 GM 5951114 RH 123444 MS NEN 595114 RH 123444 MS NEN 12444	STANTING LOCKD 1 active slarm nt 4 shipe in database - Ac	AVAC AND E           Ready for Power up           60 ib         0           40 V         60 ib           300 V         60 ib           40 V         60 ib           300 V         60 ib           40 V         60 ib           440 V         60 ib	d.	AUTOMATIC Dutaba m Selects	122004e6 22004e6 2004 to anip Click to anip Click to anip Add ship Edit Choose	× ×
nip D	Shore Connection ShoreSkill atabase Managemon by IMO or NAME : IMO Name 11111 FRSTO 1234657 GA 5551114 RH 1234444 MS NEN 1234444 MS NEN	STANTING LOCKD 1 ective alarm nt 4 shipp in database - Ac	AVAE ARKE         Read-four-Power-rup- Go Ib         0           60 Ib         0         0           40 V         60 Ib         3           460 V         60 Ib         3		AUTOMATIC Databa m Selects	1220504pm 20504pm Click to snop Click to snop Add shilp : Datata Edit Chaose	× ×



#### 3-2 – Add a new ship

First, the "maintenance mode" must be selected.

"Maintenance mode" selection procedure:

1 - In the top banner press as follows



3 - press the internal tab "Maintenance user".



2 – the "USER" pop-up window appears and select, if any, the internal tab "Login/mode"

sor							
Logio / Mode	Reminder	s Passwo	ord	Tools	Alarming	1	
	Login	Maintenance LISER	Expert USER		Logout		
	Mode	Adro	MAINT		Submit		

# 4 – follow the instructions of the bottom page to confirm the "maintenance mode" .





Then after "Maintenance mode "selection, come back to the following displays and press the internal tabs as follows





#### 4– Launch the power-up sequence

After ship selection, press "power-up" and "submit" to confirm.

Shore C ShoreBoX L 1 MVA	MI Activ	NO ALABM	ų.	SHIP POWE	0 kW	AUTOMATIC	17706716 11.20.06am Click to area	6
horeBoX								)
Availability	Safety Lo	oop St	nip	Fine tun	ing			
Ship selection	(							
IMO	Ship Name			Voltage	Frequen	cr Feeden		
Second State State State State State					-		- 0	1
1234567	GMI			690 V	60	Hz 3	4	601
1234567	GMI		YOVER UP	690 V Power Dov	50 I	Hz 3		it

The red light starts blinking and the automatic power-up sequence is launched.

#### 4-1 – Power-up sequence description

The automatic power-up sequence operates the equipment as follows:

- 1- cables feeders (QS1 / QS2 / QS3 depending of the ship) are closed,
- 2- if necessary, new settings are sent to the converters (voltage, frequency)
- 3- converters are started and coupled
- 4- output voltage is adjusted
- 5-depending of the ship requested voltage, QM1 or QM2 output breaker is closed
- 6 Output cable are powered.

This may take up to 1min30 to complete all operations.

At the end of the automatic sequence, the HMI indicates that the ship is powered.

Red light is on, not blinking.



The connection duration and energy consumption are real-time updated.

The "Single line view" display looks like this:



- End of the procedure -