



711 West 17th Street  
 Unit C-12  
 Costa Mesa, CA 92627  
 949 515-1727  
 949 515-1728 fax

# Bid # B33071-B

October 23, 2015

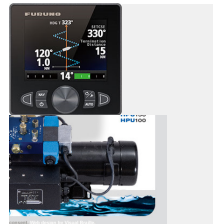
**Electronics Quotation prepared for:**

**Boat Name:** N68 / 76 stock

Pacific Asian Enterprises  
 25001 Dana Drive  
 Dana Point, CA 92629

## AUTOPILOT

2	Furuno NavPilot 711C Single Din Display, Self-Learning FURUNO's NavPilot is a revolutionary autopilot with a sunlight viewable display designed for a variety of vessels. It utilizes a self-learning and adaptive software algorithm, and plays the ultimate role in course-keeping capability. NavPilot dynamically adjusts essential parameters during navigation, such as vessel speed, trim, draught, tide and wind effects, dead band, weather and more. These parameters are stored in system memory and continuously optimized to make the NavPilot more versatile.	7390.00
2	Furuno 2nd station FAP 711C	1700.00
1	Accusteer HPU 400 pump 24 volt with soft shift valve	4590.00
1	Shipping & Handling Charge	250.00
2	Blue Sea ANL Fuse Block W/Cover The most economical system for 100-300 Ampere fusing. Insulating cover satisfies ABYC/USCG requirements and cover breakouts allow wire access in any direction. For use on systems up to 32V DC. 5/16" stud terminals accept 5/16" (M8) Ring Terminals, 14AWG to 2/0 AWG Wire. Stainless steel studs provide resistance to corrosion and high torquing for excellent electrical contact.	51.38
2	Blue Sea 35 Amp ANL Fuse	37.94
200	Beldon 9418, 18/4 Shielded Wire 2PR.	280.00





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## RADAR

1	<p>Furuno DRS 25A 25KW radar sensor "no antenna"          FURUNO has taken its NMEA award-winning radar technology to the next level with Ultra High Definition Digital Radar. UHD™ offers crystal clear, noise-free target presentation with automatic real-time digital signal processing. Antenna rotation speed (24/36/48 rpm) is automatically shifted to the appropriate pulse length. Commercial-grade radar performance is now available in the ultimate MFD navigation suite.</p>	7500.00
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The DRS25A incorporates a 25kW T/R and either 4' or 6' Open Array antenna, and includes the PSU0013 Power Supply Unit as standard supply.

1	Furuno Power Supply NavNet 3D	800.00
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1	Nav-net 3d 25 kw radar cable 20 Meters	450.00
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1	<p>Furuno 6' Open Array Antenna          The XN13A/6 is a 6' Open Array Antenna that has a horizontal beam width of 1.2.</p>	1675.00
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1	<p>Furuno 6KW Radar Antenna With 4' Open Array          Product Details          Display Antenna Range Power          Output Hor. Beamwidth          Supplied Separately 4' Open Array 64 n.m. 6 kW 1.9 degrees</p>	5500.00
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Ultra High Definition (UHD™) Digital Radar



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FURUNO has taken its NMEA award-winning radar technology to the next level with Ultra High Definition Digital Radar. UHD™ offers crystal clear, noise-free target presentation with automatic real-time digital signal processing. Antenna rotation speed (24/36/48 rpm) is automatically shifted to the appropriate pulse length. Commercial-grade radar performance is now available in the ultimate MFD navigation suite.

The DRS6A incorporates a 6kW T/R and 4' Open Array antenna.

1	Furuno Power Supply NavNet 3D 4A-12A	700.00
1	Furuno 20 Meter Radar Cable NavNet 3d	300.00



**COMPASS**

1	<p>Furuno Satellite Compass Model SC 50</p> <p>This hybrid integration of GPS receiver technology and a 3-axis solid-state rate sensor provide accurate and steady heading information, even when bridges or tall buildings block satellite signals. Unlike conventional magnetic and gyro compasses, accuracy is not affected by G-force or velocity. Furthermore, when compared to other GPS based compass systems incorporating only two antennas, our addition of a third GPS antenna provides enhanced accuracy while reducing the negative effects of pitch, roll, and yaw. This Satellite Compass is ideal as an alternative to a traditionally expensive and high-maintenance gyrocompass for non-compulsory vessels, as well as being the perfect back up solution to a gyro for a</p>	4995.00
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compulsory vessel. The SC50 offers a wide range of applications for providing fast, stable, precision heading information to numerous devices, including: Radar/ARPA, Satellite Communications & TV systems, Autopilots (based upon I/F type), AIS, ECDIS, Scanning Sonar, Chart Plotters, etc.

1	Furuno Rear Flush Mount Kit	40.00
250	Beldon 8761, 22/2 Shielded Wire 1PR.	237.50
225	Times Microwave LMR 400 Low loss Coax Cable - Per Ft.	425.25
6	TNC Male Crimp Connector For LMR400	67.20
36 FT	Times Microwave Low Loss 50 Ohm Coaxial Cable	46.80
6	TNC Male Connector For RG-8X/LMR240	32.34
6	TNC Female Connector For RG-8X/LMR240	52.14



**NAV-NET**

2	Furuno Time Zero Touch BB TZTBB Be more hands-on with our easy-to-understand touch screen interface. TZtouch brings you pinch-to-zoom capability, as well as other multi touch gestures for the most intuitive navigation experience. You'll have full control of each component connected to the network right at your fingertips. Navigation is simplified by using your fingers to zoom and pan around the chart. As soon as your fingers touch the display, taps, pinches and swipes are instantly transformed into action.	10590.00
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1	N-Tron 10-60vdc 8 port ethernet switch 108TX-HV	449.00	
2	Logitech Wireless track ball M570	139.90	
2	USB Extension Cable, M/F USB20 Cable	18.98	



## UPPER-STATION

2	Furuno NavNet TZtouch 14" Multi Function Display Today's NavNet has come a long way from the first multi function display. Take one look and you will see just how far. A generous 14.1" display with edge-to-edge glass makes for a clean and stylish installation. The LED backlighting pushes light through every pixel on the screen for remarkable brightness. Anti-reflective glass coating is visible under any lighting condition. Configure the displays with a wide variety of sensors to build a navigation suite that meets your individual requirements.	11390.00	
1	Furuno RD 33 Digital repeater, NMEA 0183 and 2000	595.00	
2	Furuno 10m FMD enet cable with waterproof FMD connection	280.00	



## FISHFINDER

1	Furuno Digital Fish Finder Module Furuno's DFF1 is a new network sounder featuring Furuno Digital Filter (FDF) Technology designed for use with NavNet, NavNet vx2 and NavNet 3D. This new digital Network Sounder can turn any NavNet display into a powerful, dual-frequency	900.00	
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digital fish finder. The compact network sounder unit connects directly to a NavNet display or an Ethernet hub with a single Ethernet cable. If it is connected to an Ethernet hub that has multiple displays attached, each of those displays will have access to the Network Sounder.

The sounder itself has a selectable 600W or 1kW output power. You may choose LF (50kHz), HF (200kHz) or both at the touch of a key and obtain detailed echoes of bottom structure and fish using range scales of up to 5,000 ft. And because the Network Sounder is used on a NavNet display, you will also be able to use its Radar and Chart Plotter features depending on which unit you have.

1	Furuno Dual Frequency 50/200 1kW With Temp And HSF	650.00
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**DEPTHSOUNDER**

1	Furuno RD 33 Digital repeater, NMEA 0183 and 2000 10/23/15 RIK :	595.00
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1	Long Reach Depth sensor with block NMEA 2000 output	529.00
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**MONITOR**

3	Hatteland 24" monitor 16:9 Brightness 250 cd/m2 Touch Brightness: 250 cd/m2, Native Resolution: 1920 x 1080 (FHD), Contrast Ratio: 3000:1, Aspect Ratio: 16:9, Inputs: 2 x DVI-D, 2 x RGB, 3 x Composite (BNC), LED Backlight, PIP & PBP, PCTouch.	18525.00
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## CCTV

4	Axis M3026-VE IP 66, Day/Night IP camera 10/23/15 RIK : Mount in the following locations	3180.00
	<ol style="list-style-type: none"> <li>1. engine room x 2</li> <li>2. Aft Cockpit</li> <li>3. Lazerette</li> <li>4.</li> </ol>	



AXIS M3026-VE Network Camera, which is part of the AXIS M30 Series, is an affordably priced, light-sensitive 3-megapixel/HDTV 1080p fixed dome that provides detailed wide-angle views day and night. The camera is ideal for installation indoors or outdoors. schools.

1	SCP Cat 6e cable 1000' box Green	239.95
1	Computer allowance	999.00
1	Bullalo 1 TB NAS	300.00
1	D-Link DGS-108 8-Port Gigabit Ethernet Switch	99.00



## AIS

1	Furuno FA 150 Ais Transponder with Display The FA150 Transponder unit contains a VHF transmitter, two TDMA receivers on two parallel VHF channels, a DSC channel 70 receiver, interface, communications processor, LCD display, and an internal GPS receiver. The internal 12-channel all-in-view GPS receiver, with differential capability, provides UTC reference for system synchronization to eliminate a clash	4495.00
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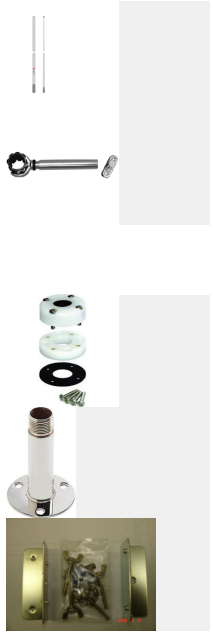
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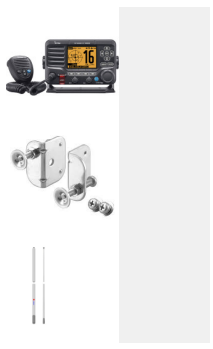
among multiple users. It also gives position, COG and SOG when the external GPS fails.

1	Comrod 23' VHF antenna Collared for Rupp mount	1157.00
1	Rupp mount and standoff 12" with flat mount	225.00
70 FT	RG8X Coax Cable, 50ohm LoLoss	90.30
1	Blue Seas Cable feed small	19.95
1	Shakesphere 4" S/S Straight Mount	37.95
1	Furuno Rear Flush Mount Kit	40.00
2	Actisense NMEA 0183 to NMEA 2000 Converter	420.00



## VHF-RADIO

2	Icom M506 DSC VHF Marine Radio W/Rear MIC NMEA2000	1650.00
2	Icom Flush Mount Kit For M424 & M506	74.00
1	Comrod 23' VHF antenna Collared for Rupp mount	1157.00







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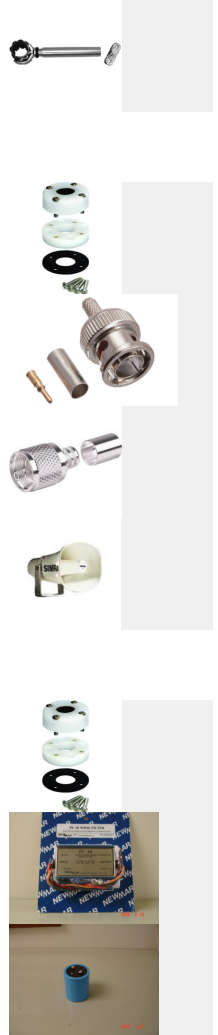
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2	Rupp mount and standoff 12" with flat mount	450.00
140 FT	RG8X Coax Cable, 50ohm LoLoss	180.60
2	Blue Seas Cable feed small	39.90
3	BNC Male Crimp Connector For RG-8X & LMR240	20.85
3	UHF Male Crimp For RG8X	15.75
1	Simrad Loud speaker horn	223.00
40	Belden 16/2 Shielded Wire 1PR	91.60
1	Blue Seas medium cable feed thru.	21.53
2	Newmar 10AMP Noise Filter	144.00
2	56,000 Microfarad Capacitor	272.80



## CARTOGRAPHY

1	Allowance for charts	600.00
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4	64 gig SD cards for chart storage	200.00
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**SAT-TV**

1	KVH TracVision HD7 With TriAmericas LNB This is satellite TV at sea like you've never seen before – KVH's new 24" TracVision® HD7 antenna is a breakthrough in maritime satellite TV design, bringing high-definition programming from DIRECTV® to your boat or yacht the same way you enjoy it at home. The rugged TracVision HD7 simultaneously tracks DIRECTV's Ka- and Ku-band satellites enabling use of Digital Video Recorders (DVRs), and offers the best tracking ever from KVH!	14490.00
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Using KVH's exclusive TriAD™ technology, the TracVision HD7 antenna can receive broadcasts from three DIRECTV satellites at once! These signals are concentrated by the tuned subreflector before reaching KVH's unique tri-rod dielectric feed, resulting in outstanding reception even as you cruise offshore.

1	KVH BASE PLATE KIT TO MATCH V7 IP	1695.00
3	DirectTV H24 HD Satellite TV Receiver	525.00
1000	RG-6 quad sheild cable	380.00
25	Snap-N-Seal RG-6Q F-Connector - SNS1P6QSA	31.25
1	Custom antenna mount	400.00

**TELEVISION**



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1	Samsung 55" LED 4K Ultra HD Smart TV 10/23/15 RIK : mount in the salon	1495.00
1	Peerless 640P flat mount 32-60"	99.00
1	Perfect Path 25' locking HDMI cable	129.99
1	Samsung 40 LCD TV UN40JU6500	1150.00
1	Peerless 640P flat mount 32-60"	99.00
1	Perfect Path 25' locking HDMI cable	129.99
1	Samsung 32" LED 1080P, 120MR SmartTV + Wi-Fi	550.00
1	Peerless 640P flat mount 32-60"	99.00
1	Perfect path HDMI locking cable 700- 16'	99.00
1	Channel Vision 16 port amplified splitter	199.00



**SAT-COM**

1	KVH V-7 IP Sat-com system-Rack mount Want High-Speed Internet on Your Boat? Choose KVH's Compact and Powerful Ku-band VSAT Bring your connected life onboard with KVH's compact 60 cm (24 inch) diameter TracPhone V7-IP antenna and the worldwide mini-VSAT Broadband network. Delivering high-speed Internet with data rates as fast as 1 Mbps up and 2 Mbps down, and crystal-clear voice, the TracPhone V7-IP is the ideal way to stay in touch with family and friends via Internet,	35995.00
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e-mail, and phone, all while enjoying your time at sea.

200 FT	Times Microwave LMR400-75 Ohm Low Loss Coax Cable	516.00
4	Times Microwave F-Type Connector For LMR400	115.00
1	Custom mount base	400.00
1	Eaton UPS Tower unit EVLL1550T 1150/1550 va system, 4 receptacles	895.00



**PABX**

1	Panasonic Value Pack PBX includes 824 PBX &KXt7731	799.00
5	Panasonic Z-24 Speakerphone 1-Line Backlit LCD Display	1495.00
8	Vimar RJ 45 Sheilded plug a/b Netsafe 16359.5	316.88
8	Vimar RJ 11 plug, screw terminal 16335 (4 conductor) grey	190.08
8	Vimar Grey insert smooth	13.04
8	Vimar Idea Square Cover Plate, Gray	87.20





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8	Vimar Mounting Fram 3-Module, Grey	16.80	
4	SPC Cat 6e cable 1000' Box Grey	959.80	



## NETWORK

1	Marine Broadband Router 4 port The Marine Broadband Router manages connections with an 'Auto-Failover' mode or manually through a simple dropdown menu on the familiar Wave WiFi network scan page. Set a preferred connection in the simple setup menu such as your Wave WiFi EC unit, the cellular connection or satellite. If that connection loses Internet access, the Broadband Router seamlessly connects you to the next available source. Satellite connections can be password protected to prevent unauthorized access	995.00	
4	Wave Yacht AP access point compact design	1056.00	



1	Wave Wifi booster ethernet converter and bridge-no wireless	2295.00	
1	Netgear 48 port switch 48 10/100 Mbps ports 2 10/100/1000 Mbps copper gigabit ports 2 Small Form-factor Pluggable (SFP)** GBIC slots	399.00	



## STEREO

1	Yamaha AVENTAGE RX-A840 7.2-channel home theater Yamaha has built its reputation on great sound. As they continue to pack more features into their home theater	1099.00	
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receivers, the great sound they're known for remains a constant. That's what their AVENTAGE-series receivers are all about. The RX-A840 will add excitement and drama to your home theater while making it easier than ever to enjoy a wide range of entertainment. Think far beyond Blu-ray discs and CDs. The 'A840 is made to bring your smartphone, tablet, and computer into your home theater while making everything from MP3s to online videos sound and look their best.

1	Polk Subwoefffer	499.00
3	High performance Wall speakers (rectangular) pair RC55i 5.25" two-way in-wall rectangular loudspeaker	809.85
1	Bose 131 7" Marine Speakers, White	295.00
1	100 watt volume control white	79.95
1000	Belden 16/2 Shielded Wire 1PR	2290.00
1	RTI XP6 XP Based Central Processor	599.00
1	RTI RM433 RF receiver	149.00
1	Samsung Blue Ray player	299.00
1	RTI T2-i 2.8" Handheld System Controller	549.00
1	Perfect Path Locking HDMI cable 8'	69.95
4	RTI Infrared Emitter	60.00
16.00	Labor, Hour(s) Technical Program remote	1360.00





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## PILOTHOUSE

1 Fusion MSAV750 DVD/DC HDMI Marine Stereo W/Bluetooth 799.99  
 The MS-AV750 serves as the hub of your boat's entertainment/information system. Hidden behind the water-resistant fold-down face, the shockproof DVD player is ready to play your disc-based music and video. You'll even find an HDMI video output that allows you to send high-quality picture and sound to a compatible monitor on your boat. This receiver sports built-in Bluetooth® connectivity, so you can stream music wirelessly using your Apple® or Android smartphone and see track information on the color screen. It supports iPod® or iPhone® audio and you can even enjoy Pandora control with "Thumbs Up/Thumbs Down" voting capability. The large rotary encoder handles most controls, while the color LCD screen lets you see what's playing.



1 Poly-Planar Platinum Series 2-Way Panel Mount Speaker 179.95  
 Features a shallow 1" mounting depth, Two-way panel speaker has a 5" long throw woofer and 1" mylar tweeter Coated internal wiring for long life. Requires a single 5" round cutout



## FLYBRIDGE

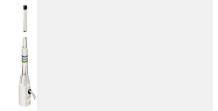
1 Fusion UD650 Marine Stereo W/Bluetooth Smart Phone 549.99



1 Poly-Planar 6x9 Platinum Series 3-Way High Power Speakers 299.00



1 Shakespeare Antenna,AM-FM 91.50





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1	Shakesphere 4" S/S Straight Mount	37.95
1	Channel Vision 2 x 8 amplified spliter	199.00
40.00	Labor, Hour(s) Drawing Service	4200.00
40.00	Labor, Hour(s) Pack and Pallatize	3200.00
4	Shipping pallet - export lightweight	140.00
1	Shipping & Handling Charge Sea ship to Taiwan	1800.00
120.00	Labor, Hour(s) Technical Comission electronics	12600.00



Total List Price	\$198597.77
Less discount	-35522.04
Sales Tax	0.00
Shipping	0.00
<b>Total package price</b>	<b>\$163075.73</b>

This job will be done on a time and materials basis. The installation estimate is our best guess of what the job will require.