JRC bridge to the cloud
Agenda

JRC Multi Function Display  
Remote Maintenance System  
J-Marine Cloud
Do you recognize this?
Key facts concept design

- Complete product portfolio
- User friendly
- Modern & ergonomic design
- Easiness of operation with operators acceptance
- Full system integration
- Suitable for refit market
AlphaBridge
MFD Building block

- Radar, ECDIS, conning function in one
- Scalable by license software
- Embedded JRC software
- Trackball and keyboard operation
- Stand alone console or desktop model
- 26” & 46” wide screen or 19” inch displays
- Touch screen (option)
### Displays

<table>
<thead>
<tr>
<th>Size</th>
<th>Pixels</th>
<th>Resolution</th>
<th>Aspect ratio</th>
<th>IMO category</th>
<th>Vessel size</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-inch</td>
<td>1280 by 1024</td>
<td>SXGA</td>
<td>5:4</td>
<td>CAT2 radar 250mm</td>
<td>300-9999GT</td>
</tr>
<tr>
<td>26-inch</td>
<td>1920 by 1200</td>
<td>WUXGA</td>
<td>16:10</td>
<td>CAT1 radar 320mm</td>
<td>≥10,000GT</td>
</tr>
<tr>
<td>46-inch</td>
<td>1920 by 1080</td>
<td>FHD</td>
<td>16:9</td>
<td>CAT1 radar 320mm</td>
<td>≥10,000GT</td>
</tr>
</tbody>
</table>
MFD Radar

JMR-7200/9200 series

- X-band: 10 kW and 25 kW
- S-Band: Magnetron and Solid State
- Solid State S-band scanner (12ft and unique 8ft array)

Regulations:

- Edition 2.0 of IEC 62288 and 62388
- MSC.192(79) IMO Radar performance standard
MFD ECDIS

JAN-7201/9201 series

- AVCS pre-installed and C-Map E-token included
- 19”, 26” and 46” display, with optimized chart area
- Also available as economical “Simplified ECDIS”

Regulations:

- MSC.232(82) IMO ECDIS performance standard
- IHO S-52 Ed 6.1.0 & IEC 61174 Presentation Library (PL) 4.0 edition*

* previous series JAN-701B/901B and JAN-2000 software (and hardware) update available
Sensor driven connectivity

Radar ECDIS Conning

Radar ECDIS Conning

Radar ECDIS Conning

Radar ECDIS Conning

Main sensor

Backup sensor
Type approvals
JRC smart shipping applications

Software updates
Antivirus
Remote Maintenance & Service
Weather info & routing
Charts & Updates
Piracy info
Ship’s monitoring from office
J-Marine Cloud
AlphaEye remote support tool
and more….
Remote Maintenance System

Introduction
RMS system configuration

Satellite Communication
Inmarsat FB or VSAT
RMS benefits

- Remote monitoring and diagnostics of (JRC) equipment on demand, while vessel is at sea
- Trouble analysis by experienced service engineers of JRC/Alphatron Marine
- Preventative maintenance and repair suggestion
- Remote software update functionality (VDR, AIS, Inmarsat C and FleetBroadband available)
- Cost saving by using remote maintenance
- Saving unnecessary service attendance
- Reduce time of your technical dept. for advise
- Higher first time fix rate
- Reduce risk ship detention
J-Cloud system configuration

System Configuration

Sharing of information by shore and ship

Electronic Chart

Weather/Oceanographic Information

J-Marine Cloud

User

Your own ship
J-Cloud service

- J-Marine GIS
  (Smart ship application, fleet management)
- J-Marine routing
  (Weather routing)
- Navtor Chart Service
  (Online update, PAYS)
- New developments
J-Marine GIS

Fleet management
- Weather info
- position

Smart Ship data
- Navigation data
- Engine data
- Alert info equipment
This is optimize the planned route function by weather forecast.

This function displays the voyage details including recommended speed, fuel consumption prediction and risks for the ship like parametric rolling, synchronous roll and so on.

Additionally, you can see weather forecast up to 16 days and piracy report.
Navtor Chart Service

**Online update:**
J-Marine Box checks and downloads the latest charts, licenses and digital publications (ADP, e-NP) automatically. Each ECDIS are updated manually for safety purposes.

**NavTracker (chart management tool):**
Purchasing, management (update setting, expiry date, usage) and own ship tracking with nautical map (NAVIONICS)

**PAYS (Pay As You Sail):**
You can see all ENC’s for planning and need to pay the chart fee only for the area in which you have sailed.

**Chart management**

**Own ship tracking**
J-Cloud commercial

- J-Marine GIS
  (Smart Ship application, Fleet Management)
- J-Marine Routing
  (Weather routing)
- Navtor Chart Service
  (Online update, PAYS)

**New developments**

Currently beta testing, full service is expected end 2017

Price plan per service / monthly fee
Danke schön

Thank you for your attention
Which applications will contribute to your vessel operation?