

Danelec systems
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***Danelec Marine Launches Next-Generation
Voyage Data Recorder***

Introducing Danelec Marine's Next-Generation Voyage Data Recorder – DM100 VDR

- Fully complies with the new International Maritime Organization (IMO) VDR standard, effective July 1, 2014
 - Float-free capsule
 - 48-hour data storage in both protective fixed capsule and float-free capsule
 - Separate audio track for outdoor microphones
 - Data recording from ship's ECDIS, radars, AIS, inclinometer
- Incorporates revolutionary SoftWare Advanced Protection (SWAP) technology



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Compliant with New 2014 IMO Standard

- **DM100 VDR meets both the existing IEC 61996-1 Ed. 2 and the new MSC.333(90) ISO performance standards**
- **Danelec VDR systems are designed to record and store, in a secure and retrievable form, information concerning the ship's position, movement, physical status and command and control**



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Designed for the Maritime Environment

- **Designed with a focus on reliability and functionality in maritime environments**
- **Unmatched flexibility in a compact, easy-to-install solution**



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Danelec's Break-Through SWAP Technology

- All system software and configuration, as well as programming data, is automatically saved on a hot-swappable memory card that can easily be removed from the old unit and inserted into the new Danelec unit



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How SWAP Works

- When a Danelec-trained technician reports to the ship for a service call, he arrives with a replacement VDR in hand
- He switches out the old unit with the Danelec VDR
- The technician removes the memory card from the old unit and inserts it into the new one
- Then he takes the old unit to shore for repairs



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SWAP Saves Time, Money and Protects Valuable Shipboard Data

- **Saves time by enabling onboard repairs to be accomplished in a matter of hours, not days**
- **Saves money by reducing man hours for service calls**
- **Protects valuable shipboard data on a hot-swappable memory card when replacing the unit**
- **Allows the ship to stay on schedule by eliminating in-port delays**

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User-Friendly Playback Software

- **VDR Explorer playback software is standard in all Danelec VDRs**
 - **Can run from any PC**
 - **Provides real-time monitoring**
 - **Can replay recorded data in graphic and numerical ways**
 - **Easy to operate**
 - **Customizable conning page**
 - **Ability to export data to Windows applications for playback on board ship**
 - **Access to data from shore via remote interface module**

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About Danelec Marine

- **One of the first companies to bring to market IMO-compliant VDRs and Simplified VDRs in 2002**
- **More than 5,500 vessels today are equipped with Danelec VDRs or S-VDRs**
- **Extensive global service network that operates 24/7**
- **Headquartered in Denmark**

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