
From: don jones [djones@mesa-robotics.com]
Sent: Tuesday, February 07, 2006 4:58 PM
To: zzMSHA-Standards - Comments to Fed Reg Group
Subject: Response to Underground Mine Rescue Equipment and Technology(RIN 1219-AB44)



Mine

nnaissance.pdf (237

We have a small, unmanned ground vehicle (robot) that may have application to Mine Rescue operations. The units are in production at this time and an estimated unit cost, outfitted as shown on the attached document, is \$72,000 to \$75,000.

We would consider loaning a unit for evaluation to determine if smaller, lightweight robots are appropriate to address the following Topics: A - Rapid Deploy Systems (1 thru 3); F - Robotics (1 thru 5); and I - Mine Rescue Teams (1 and 8).

I am in contact with groups in West Virginia and our home state of Alabama in an attempt to gauge the interest in robotics.

Don W. Jones
Vice President
Mesa Robotics, Inc.
256.464.7252 Office
256.509.9647 Mobile

Visit Mesa Robotics @ www.mesa-robotics.com

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

**MSHA Docket No.
AB44-Comm-17**



MATILDA II Mine Reconnaissance Robot

Matilda II Platform and OCU, Can Accommodate, Control, and Monitor a Variety of Payloads.

- Lights
 Incandescent & Infrared
- Cameras
- Batteries
- Gas Sensors



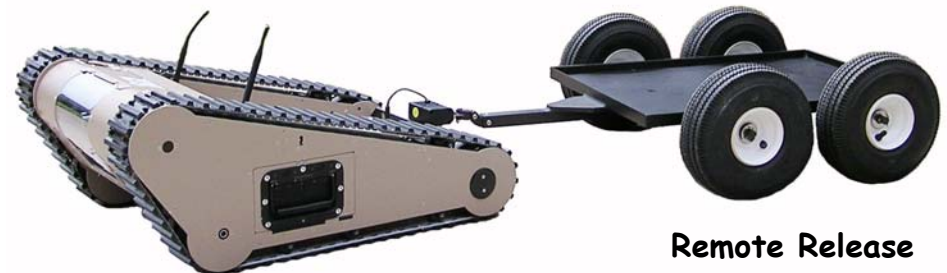
Transport Life-Saving Supplies

- Water • Food
- Oxygen • Shelter

Two-Way Audio (Thru Robot)



- Maneuverable
- Zero Turn Radius
- Negotiates Obstacles
- Climbs Stairs



Remote Release



- Size: 30"L x 21"W x 12"H
- Weight: 65 Lb.
- Payload Bay: 16.5"L x 13.5"W
- Payload Capacity: 125 Lb.
- Towing Capacity: 225 Lb.
- Speed: 2 mph
- Power Available: 12 VDC
- RS232 Interface

Fiber Optic Control of Robot

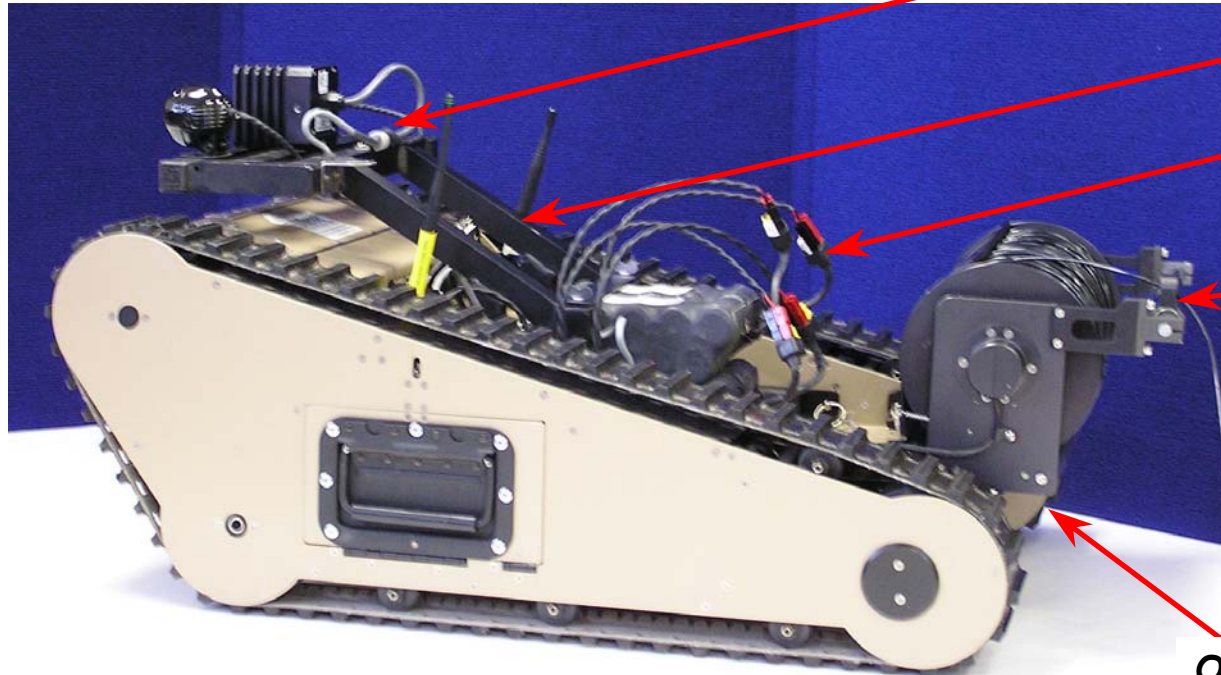


Retrievable - Up to 1600 Ft. Disposable - Up to 3 Miles

MSHA Docket No.
AB44-Comm-17-A



MATILDA II Mine Reconnaissance Robot



Camera Mount
(300X Zoom - Color with Infrared Lights)
Auto-Focus

Mount For Supplies/Gear

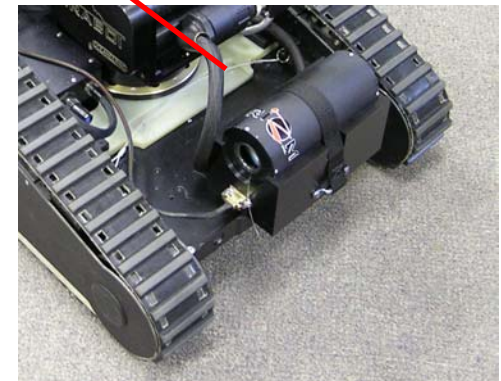
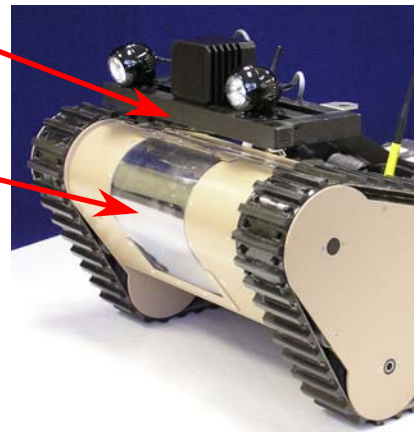
Extra Batteries

Reusable Fiber
Optic Cable
(Up to 1600 ft.)

Optional F.O. Control

Incandescent &
Infrared Lights

Pan & Tilt Driving
Camera Assy.
(Color & B+W)



Disposable Fiber Optic Cable
(Up to 3 Miles)

Contact: Don Jones
Mesa Robotics, Inc.
Madison, AL
www.mesa-robotics.com
djones@mesa-robotics.com
256.464.7252