NASA’s Game Changing Technology Industry Day
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IDEAS: Integrated Display and Environmental Awareness System

Presented by Allan Villorin (NASA)

TECHNOLOGY DRIVES EXPLORATION
Early 20th Century Vision Of Lunar Exploration
Major Industry Partners:
IBM
Boeing
Douglas Aircraft
Grumman Aircraft
North American Aviation
Major Partners:
Lockeeds Martin
Thiokol
Rockwell
Mars: 21st Century Destination
IDEAS: Integrated Display and Environmental Awareness System

What is it?

- Head-mounted display for users on Earth and in Space.
- Provides visual communication and augmented reality information to its user.

What is it for?

- Improving situational awareness, safety and efficiency of the user.
IDEAS Components

IDEAS Software

IDEAS Accessories

COTS Smart Glasses

IDEAS Smart Glasses
IDEAS Components – Procedures

Instructions
Locate #76 plant test panel. Check and provide documentation of progress.

Complete Step

A185334
HAND REGULATOR

A185335
DOME LOADED REGULATOR

A195341
DOME LOADED REGULATOR

VENT VALVE
IDEAS Components – Camera Tools

Remote RGB/IR Camera

Head-mounted IR Camera Attachment
IDEAS Components – Sensors

Sensor Accessories
Major Partners:
You
For more information about this technology or to discuss potential collaboration efforts:

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We are open to partnerships:
• to help us develop our tech further
• bring your technology into our system

We have the tools to:
• build agreements
• protect your intellectual property