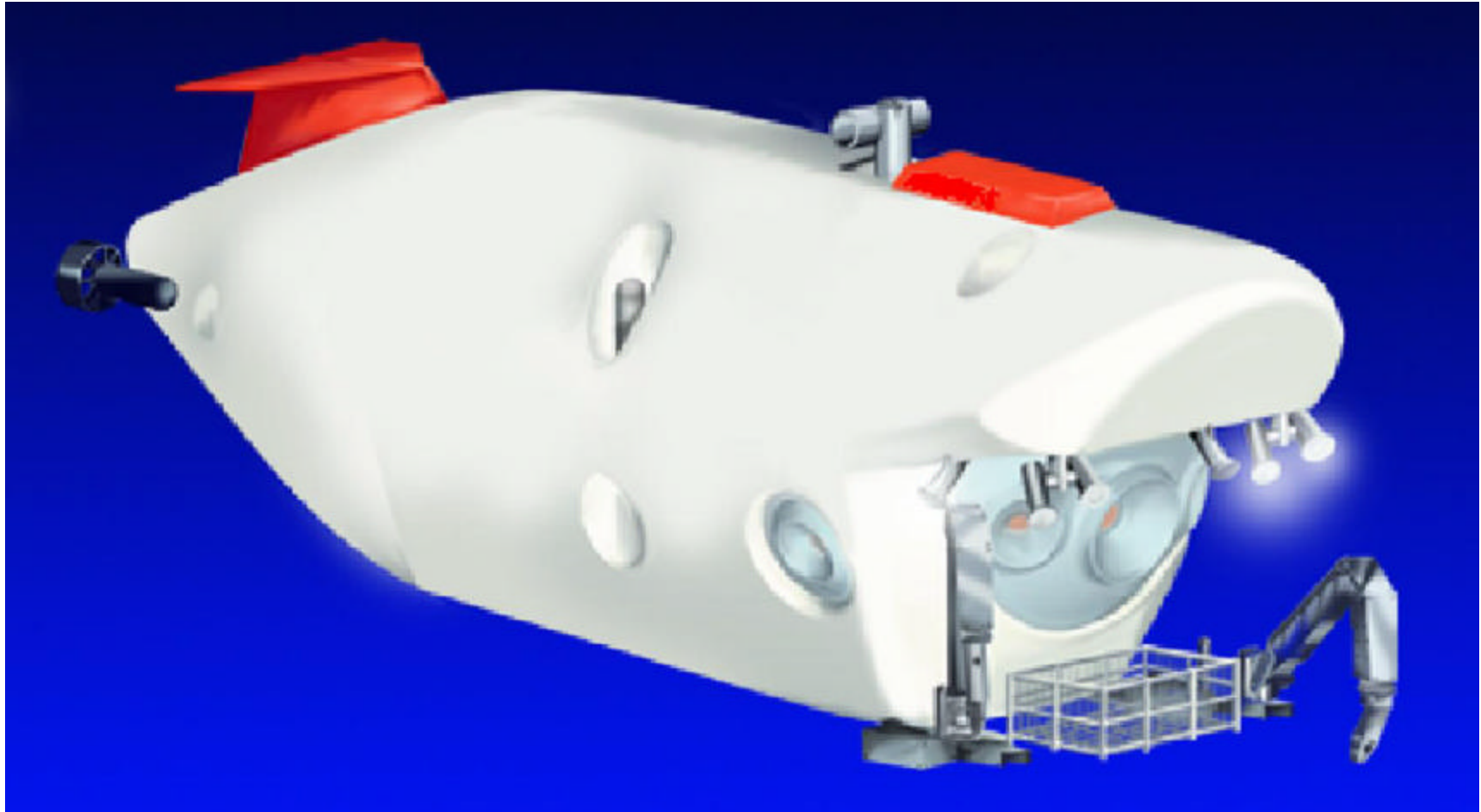


# Replacement Human Occupied Vehicle (HOV)

DESSC  
December 2005

## Update



# Project Status

DESSC  
December 2005

## Replacement Human Occupied Vehicle (HOV) Update

### Personnel Sphere

- **Contract signed with Southwest Research Institute on 1 Nov for design**
- **Kick-off meeting 5 December**
- **Will be reviewing observer window sizes**
- **High priority will be to purchase titanium early**



# Project Status

DESSC  
December 2005

## Replacement Human Occupied Vehicle (HOV) Update

### Syntactic Buoyancy Foam

- **Material has improved from 33 lbs/ft<sup>3</sup> to 32 lbs/ft<sup>3</sup>**
- **Sufficient weight margin for 33 lbs/ft<sup>3</sup> exists within conceptual design**
- **Development continuing for lighter foam**
- **Performance specifications written and under review by ABS**



# Project Status

DESSC  
December 2005

## Replacement Human Occupied Vehicle (HOV) Update

### Battery Study

- Vendor study completed
- Cells from the following vendors selected for baseline testing:

*Eagle-Picher – Kokam*

*Lithium Technology Corporation*

*Lithion (tentative)*

*Sanyo-GS (tentative)*

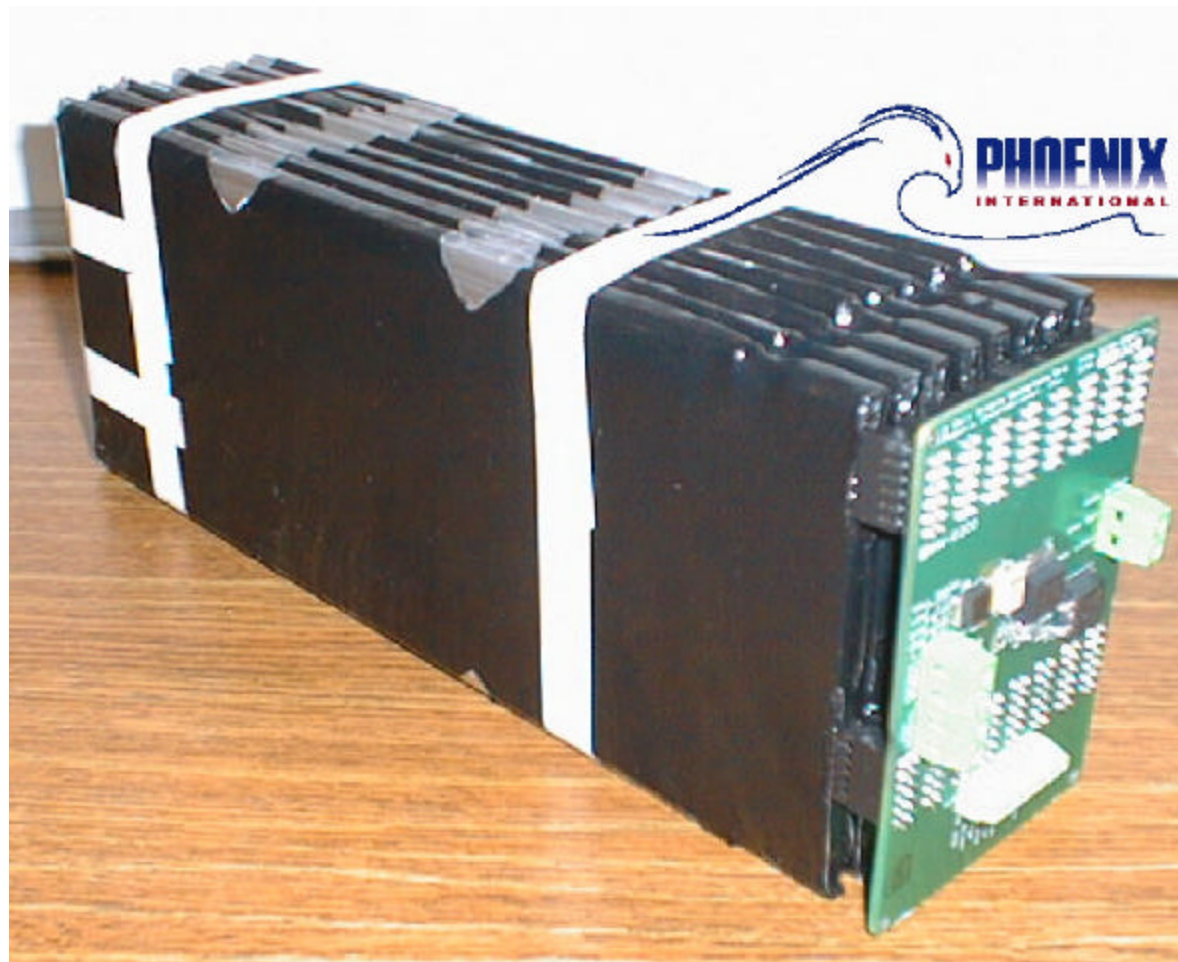
- Test plan developed



# Project Status

DESSC  
December 2005

## Replacement Human Occupied Vehicle (HOV) Update



# Project Status

DESSC  
December 2005

## Replacement Human Occupied Vehicle (HOV) Update

### Vehicle Specifications

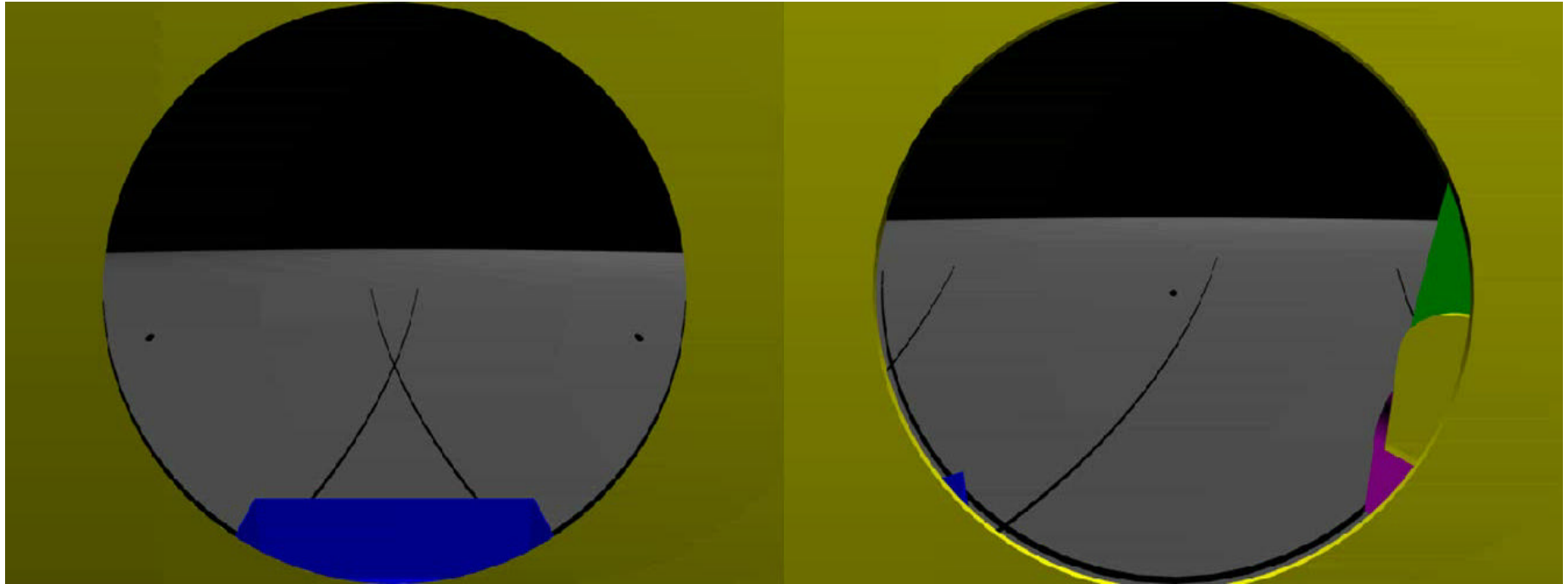
- Review completed by
  - ✍ *Alvin* Ops Group
  - ✍ *Alvin* Engineering
  - ✍ *Jason* and DSL
- Currently under review by Oversight Committee
- Science sensors under review by community (DESSC)



# Pilot and Observer View of Sampling

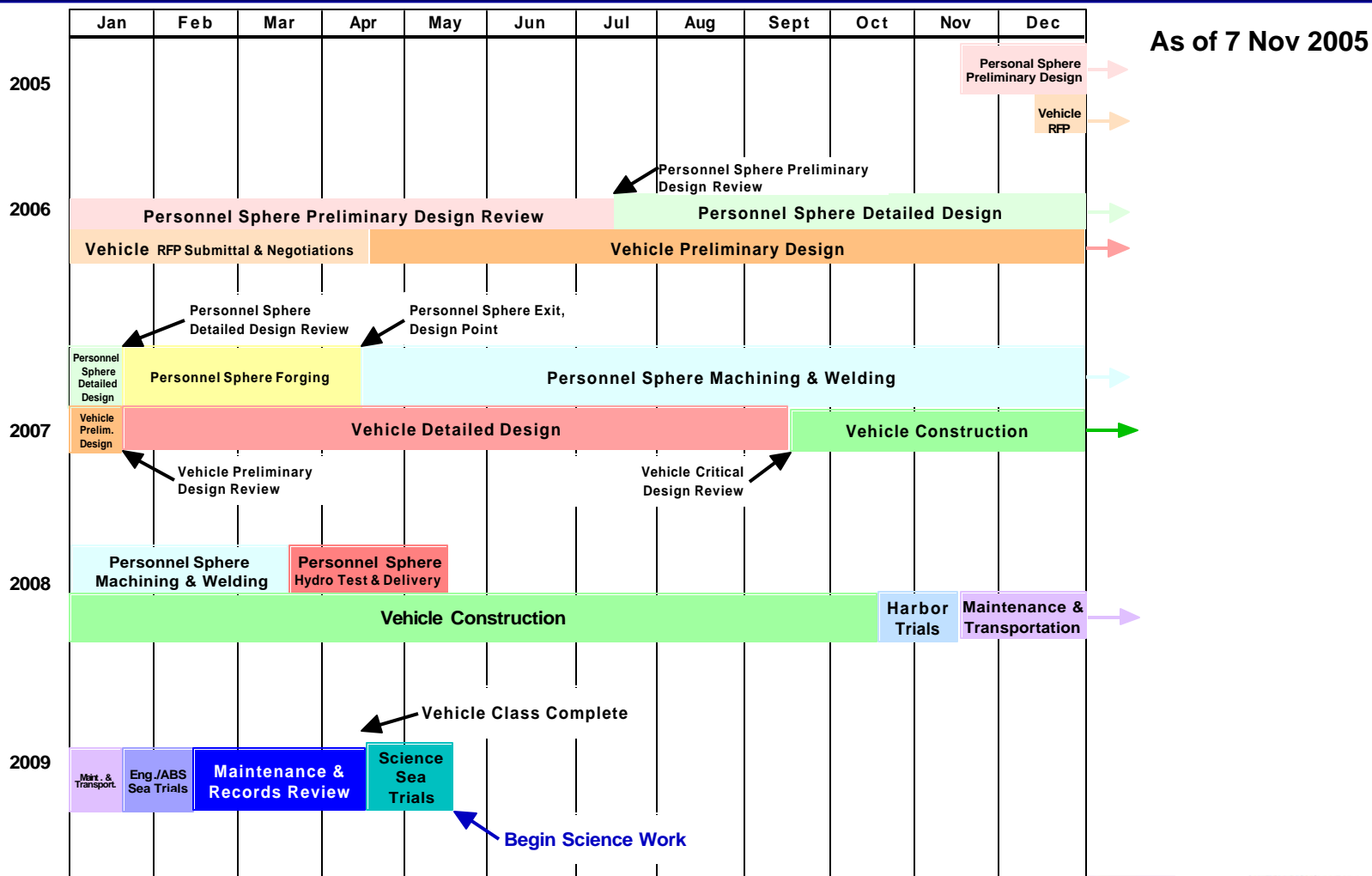
## Replacement Human Occupied Vehicle (HOV) Update

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# Project Schedule

## Replacement Human Occupied Vehicle (HOV) Update





# More Information and Community Input

DESSC  
December 2005

## Replacement Human Occupied Vehicle (HOV) Update

[http://www.unols.org/committees/dessc/replacement\\_HOV/replacement\\_hov.html](http://www.unols.org/committees/dessc/replacement_HOV/replacement_hov.html)

- **Video**
- **Specifications**
- **Schedule**
- **Various background documents**
- **Press releases**
- **Photo gallery**
- **Provision for on-line comments and feedback**

