

## **Examples of NASA@work Challenges**

### **Successes:**

- Lab Equipment Obsolescence:
  - Challenge Owner: Stacey Keener (manager in IT group for the HH&P Directorate)
  - Context: old equipment in the HH&P labs no longer worked with newer computers that were replacing old and broken computers; needed to figure out a way to cheaply and efficiently get these old piece of lab equipment communicating/working with the new computers again
    - Submissions: 43
    - Unique Participants: 33
  - Awarded: 4 winners that all had unique solutions that the Challenge Owner could investigate and utilize to address issue
- Group On-Call Notification Alternatives:
  - Challenge Owner: Stacey Brubaker (mission controller but had support of her management)
  - Context: mission control group at JSC was looking for an alternative notification system for night shift (currently use pagers but unreliable and often contacted people who didn't need to be contacted); they had found solution but wanted to see if solution really was the best one out there
    - Submissions: 30
    - Unique Participants: 23
  - Although awarded two individuals for their ideas, ultimately confirmed that their solution was the best solution out there (in other words, they used the NASA@work platform to confirm their choice; great example of the versatility of the platform)
- A Durable/Permanent Anti-Fog for the SMU Helmet
  - Challenge Owner: Maria Tullar (manager within the extravehicular activity (EVA) office)
  - Context: was looking for some type of material/substance that could be applied to helmet before a spacewalk that would prevent fogging; they had tried many different things but with no success; was looking for creative ideas and alternatives
    - Submission: 55
    - Unique Participants: 46!
  - Awarded: 2 viable solutions; currently investigating on EVA helmets

### **One potential failure:**

- Submission of a challenge on the topic of Climate Change

- Context: Suggestor wanted to gather ideas to reduce carbon emissions that could be implemented across the agency
- Issues: scope is way too broad and couldn't find a person willing to serve as Challenge Owner
- Solution: broke the challenge down to focus on one specific center at a time (started with Goddard SpaceFlight Center); was able to find a Challenge Owner that would be willing/able to implement solutions at that specific center
- Challenge currently active; over 20 responses so far