

# National Labs Commission Public Meeting

Argonne National Laboratory  
November 4, 2014

Mike Andrew – Johnson Controls Power Solutions

# Industry Partners Panel

- Overview of Johnson Controls
- History of Johnson Controls partnership with the National Labs network
- Recommendations to further enhance the opportunities for and effectiveness of Lab-Industry collaborations going forward.

# #1: Institute semi-annual open meetings between industry and the Fed lab network

- Increase the awareness level of the comprehensive science and engineering capabilities/accomplishments of the Labs
- Aid industry in identifying the correct partners to enable their strategic or project-based needs.
  - People
  - Facilities
  - Equipment
  - IP portfolio
  - Active programs

#2: Establish a common, harmonized set of processes for industry engagement with any of the Fed labs

- Increase the speed and ease with which industry may establish formal relationships with any of the national labs
  - Intellectual property ownership
  - Application requirements and legal review
  - Facilities use
  - Shorten DOE internal approval times particularly for Work-for Others type projects

### #3: Shorten the time horizon for Lab-based R&D programs

- Drive a culture of *idea-to-commercialization* which will increase U.S. competitiveness particularly in the manufacturing sector.
  - Strike a more favorable balance of engineering versus science
  - Grand challenges are necessary, but aggressive implementation timeframes will ensure relevancy
  - Institute standard metrics that quantify the impact of Lab activities on the U.S. in a form suitable for presentation as an Annual Report to Congress

# The Importance of Manufacturing

- *“There is no purpose, to which public money can be more beneficially applied, than to the acquisition of a new and useful branch of industry; no Consideration more valuable than a permanent addition to the general stock of productive labour”*
- -Alexander Hamilton, [Report on Manufactures](#), December 5, 1791