

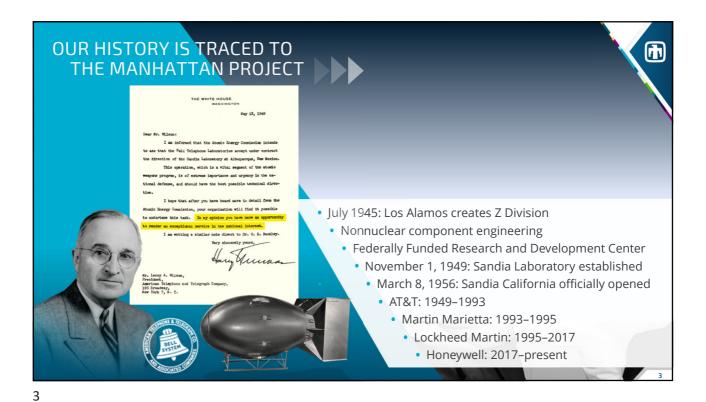
Agenda

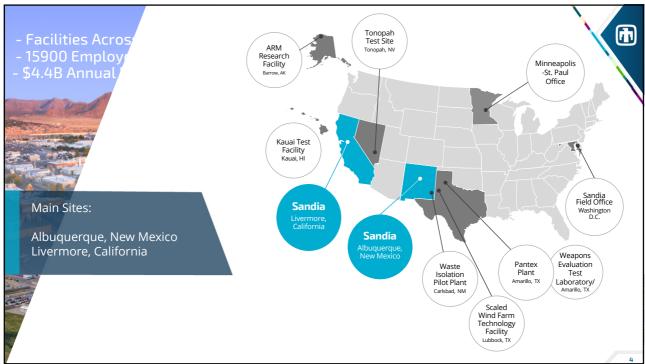




- Prive from the top
- Empower the workforce
- Reward and recognize behaviors
- Drive a spectrum from daily to formal innovation
- Embed in all areas of the business
- Questions

_







SANDIA HAS FIVE MAJOR PROGRAM PORTFOLIOS

Advanced Science & Technology

Nuclear Deterrence

Energy & Homeland Security

National Security

Programs

Key Principles for Enabling Innovation

- Trive from the top
- Empower the workforce
- Reward and recognize behaviors
- Drive a spectrum from daily to formal innovation
- Embed in all areas of the business

7

Drive From The Top

- NNSA's Enhanced Mission Delivery Initiative to significantly improve efficiency and effectiveness of ND programs
- Sandia's Strategic Goals:
 - Accelerate Innovation
 - Modern Engineering
- · Leadership commitment at all levels
- Accountability
- Innovation call to action by the Laboratory Director





Empower the Workforce Unleash Excellence: Excellence vs Perfection Behaviors When focused on excellence rather than perfection, Sandia employees have more opportunities to take intelligent risks, challenge the status quo, experiment, fail as a means of learning and suggest red tape-cutting efforts. CULTURAL ATTITUDES FAILURE = LEARNING recognize and reward gent risk taking before an outcome is known llenge the status-quo to antly pursue learning and excellence CULTURAL BEHAVIORS A >+ 000 CONNECTED We seek feedback and We share our own failures (and successes) to help others collaboration to improv our critical thinking and engage customers to deliver exceptional results 5) HP

@ Empower the Workforce

Unleash Excellence: Crowdsourcing for Ideas

- System for all members of the workforce to submit ideas for cutting red-tape and increasing the efficiency and effectiveness for how we do work.
- Over 300 ideas submitted to date, approximately 20% being implemented.



People and Culture Strategy

- · Aimed at maximizing the success of our people and is focused on the continued care of our people and the maximization of organizational performance.
- Four pillars aimed at examining and enhancing key elements that impact success of every MOW.







Effectiveness



Organizational Culture



Employee Health and Well-Being

11

Reward and Recognize Behaviors



New recognition categories added for Innovation and Operational Excellence.



Behaviors as part of the performance management system: Courageous: innovative solutions; intelligent risk taking

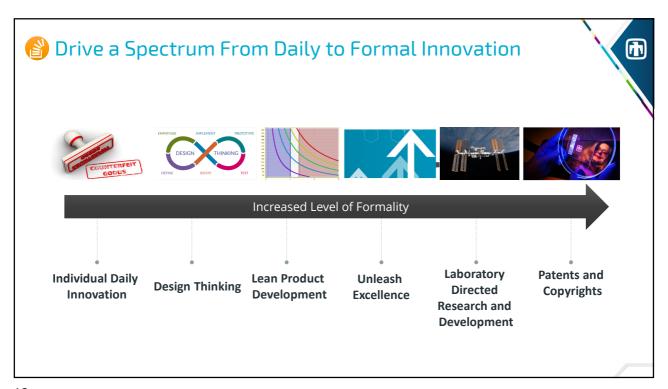


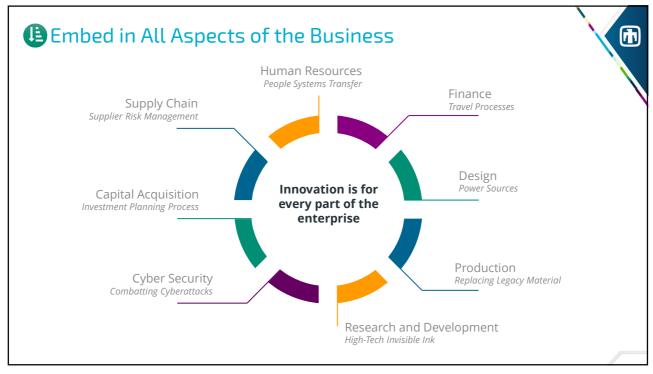
New recognition categories added:

Innovation Mindset – creates value by applying novel solutions to meaningful

Intelligent Risk Taker – embraces critically thought out risk to bring added value to the Labs.







Finance - Travel Processes



How might we improve the business travel experience?

Problem

· Booking travel is painful

Approach

- Removal of excess approvals
- Policy redesign with a user focus
- Streamlined reporting and reimbursement processes
- · Additional booking options
- Case management

Result

Increased travel satisfaction



15





Increase speed and flow of product development from idea generation to successful delivery



Problem

It takes too long to yield a good design

Approach

Set Based Concurrent Engineering Successes for power sources

Result

- Producing designs in half the time
- Evaluating and assessing design options faster (75-90% reduction in time)

Cyber Security – Combatting Cyber Attacks



Cyberdefense for military aircraft against a machine learning system trained to break it

Problem

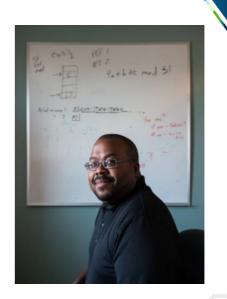
- Securing military networks is a national security imperative
- Unique cyber security challenge are small networks

Approach

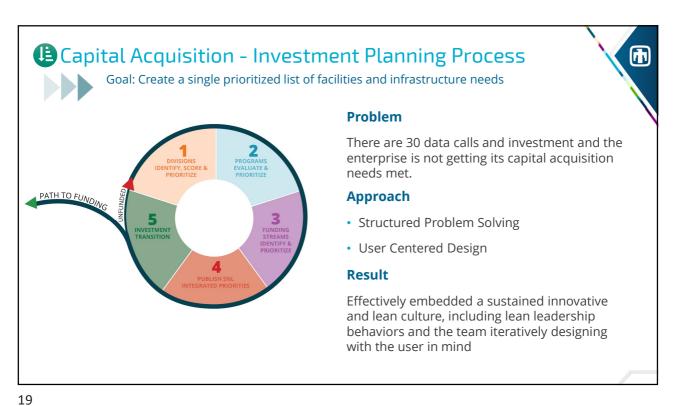
- · Build a big wall
- Detect
- Moving target

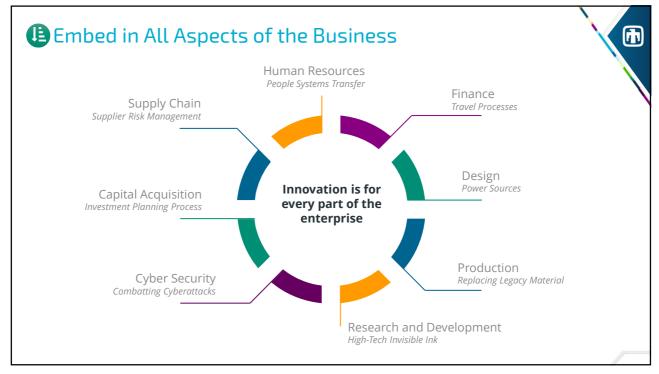
Result

· Randomization combating machine learning









Key Principles for Enabling Innovation

- Trive from the top
- Empower the workforce
- Reward and recognize behaviors
- Drive a spectrum from daily to formal innovation
- Embed in all areas of the business



