A federal laboratory needs a policy-driven mission accomplished by doing big science

Mission

Ensure safety and reliability of nuclear stockpile

Work against proliferation of nuclear weapons



Policy

No nuclear testing



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To us, big science refers to projects of large scale and impact



Advanced Strategic Computing Initiative (ASCI): massively parallel teraflop supercomputing







Flash x-ray (FXR) radiography machine

Fisher/GovLabs Role 2

Big science requires the construction of large facilities



National Ignition Facility (NIF)



Defines state-of-the-art in optics industry

- A large fraction of its construction budget goes to industry
- Industrial partners critical to LLNL mission

The Lab is characterized by highly committed multidisciplinary teams



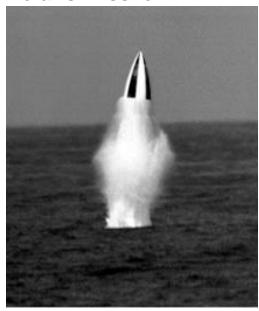


Our multidisciplinary teams support the big science we've been doing since LLNL began in 1952

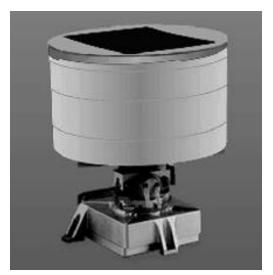
Our mission determines the nature and scope of our science and technology



Weapons: warhead for Polaris missile



Remote sensing: star tracker camera used on Clementine spacecraft that mapped the moon's surface



Big science forms the foundation for stable, long-term industrial participation



Almost 50 years of close partnering with industry







Fisher/GovLabs Role 6

Conclusion: A federal lab needs a policy-driven mission accomplished by doing big science



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