

**2nd Conference on  
Enabling Technologies for PetaFLOPS Computing**

**Closing, Final Thoughts:  
Coming to Closure and the Launch of a New Era**

by  
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Chair, Steering Committee

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# PetaFLOPS Workshop(s) Purposes: -as stated in 1994-

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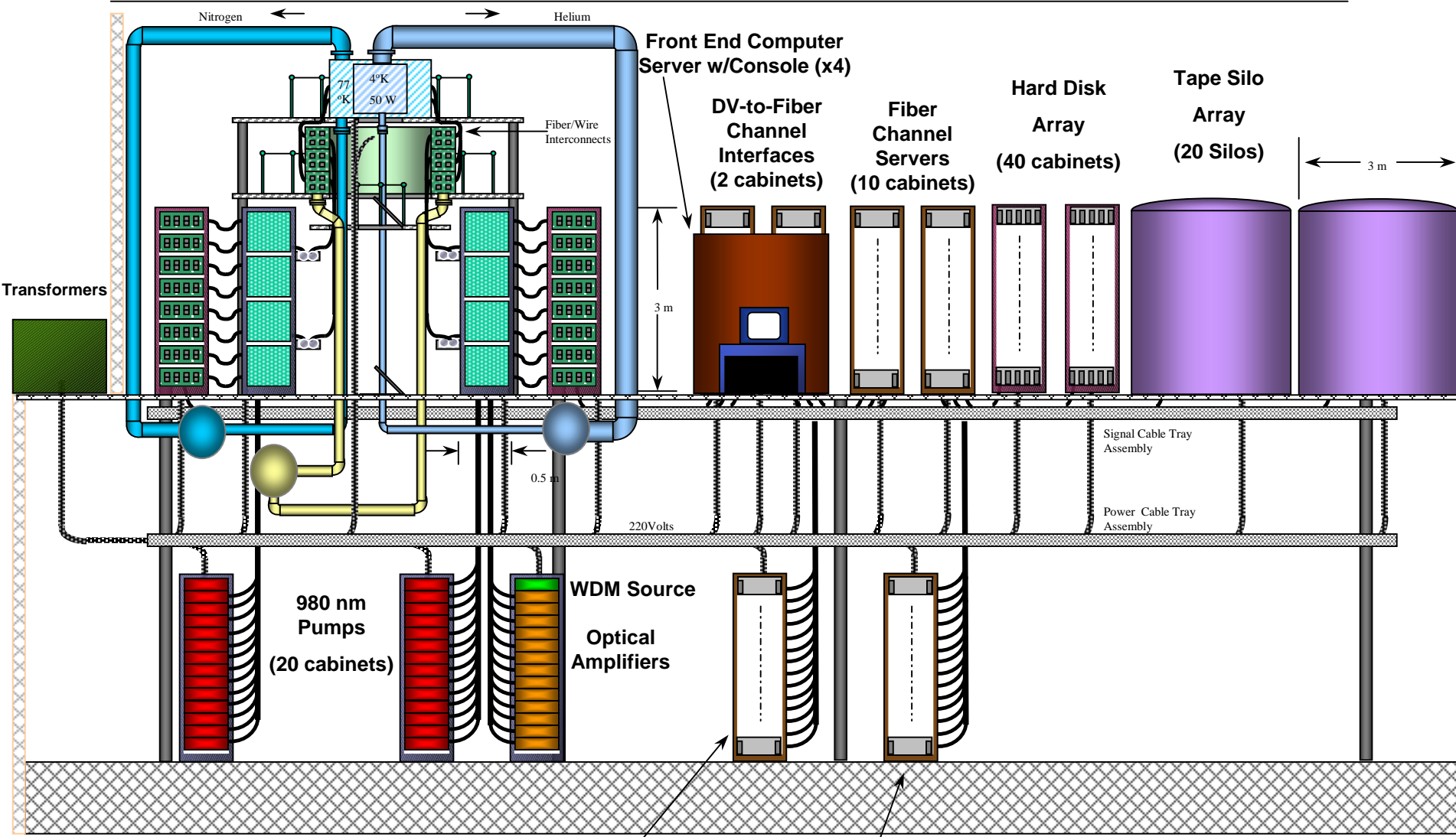
- To identify immediate & future applications.
- To provide standard base (PetaFLOPS I) to measure advances in PetaFLOPS R&D.
- To identify critical enabling technologies.
- To assist technology directors to plan for future programs beyond HPCC.

# What did you accomplish?

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- Reports
- Workshops / Conferences
- Point Design Studies
- HTMT project

# HTMT Machine Room



Monitor and Control Computer w/  
Data Acquisition Cards (3 cabinets)

WAN Gateways (1 cabinet)

SIDE VIEW

# What did you accomplish?

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- Reports
- Workshops / Conferences
- Point Designs
- HTMT project
- We're not afraid of PetaFLOPS any more
- Better understanding of what it takes
- And, better projection of when it will happen

## What's not been done?

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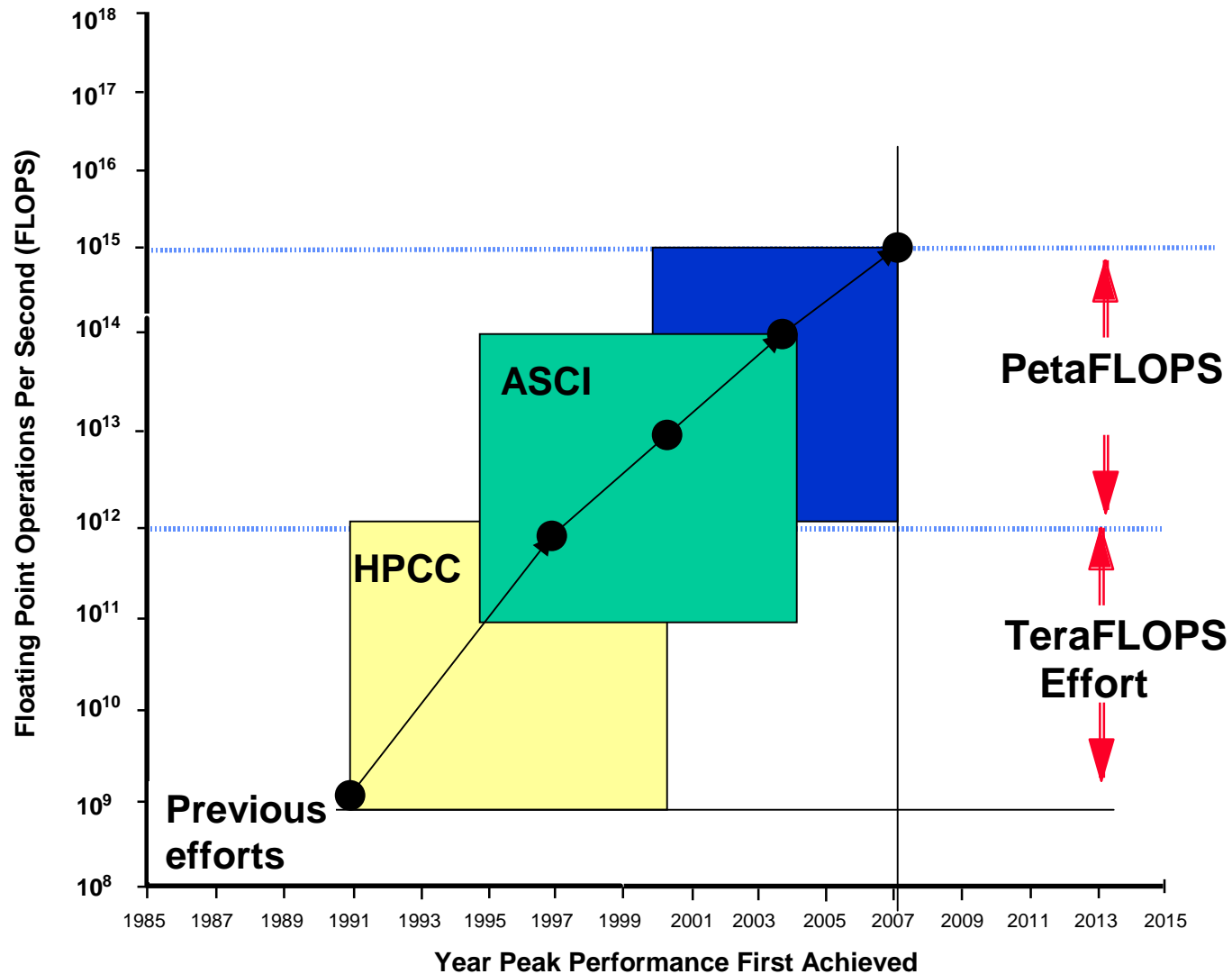
- Did not build a PetaFLOPS system
- Did not start an Initiative in FY 97
- Did not get anywhere near the budget needed in the President's FY2000 budget submission
- Did not get agencies to jump on-board
- In fact, have lost some major agencies

# But you really did accomplish much

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- ASCI roadmap

# Moving to PetaFLOPS



# But you really did accomplish much

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- ASCI roadmap
- HECC Program Strategy
- PITAC Recommendations
- (part of the) FY 2000 IT initiative
- Identified the major challenges and opportunities for the future
- We know why it is important to do

# What is still needed?

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- Nourish the High End Computing community
- Get PetaFLOPS more into the main stream of High End Computing
- Push the “Programmatics” at the agencies:
  - NSF—leading organization
  - DARPA—missing in action
  - DOE—ASCI and SSI
  - NSA—mission needs
- Get the right people into Government

# Many Thanks

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- Thomas Sterling
- Mary and Chip
- The Sponsors
- All the others that Thomas mentioned  
Wednesday at the banquet
- You, the participants

# Final Notes

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- Remember the “Lunatic Fringe”
- A PetaFLOPS “tribe” was created
- Five-year effort was new, productive and fun
  - The 10-day summer study
  - Network connections
  - Digital projection
  - Real work was done
- You’ll be remembered
- You *have* made a difference

# Launching the new Era

Toward PetaFLOPS computing and beyond