

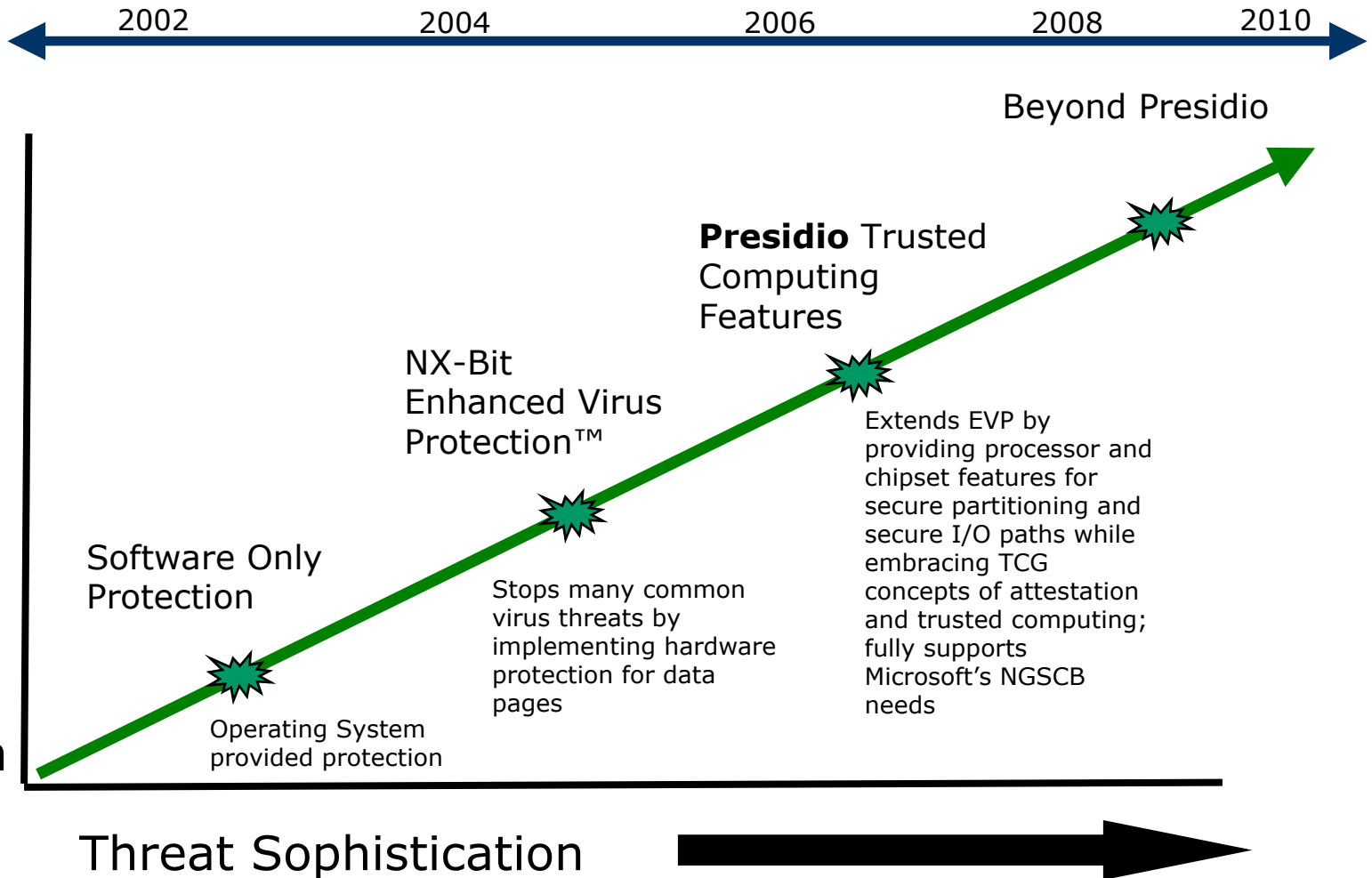


# AMD's Vision for Trustworthy Computing

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# AMD's Security Vision



- Addressing the problems of Privacy, Security and Third Party Trust requires changing the PC platform
- Changes to both hardware and the OS are needed
- AMD is working with key partners and the entire industry in a broad-based effort to increase the trustworthiness of the PC platform
  - The key standards group in this area is the Trusted Computing Group
  - AMD is a Founder and Promoter of the Trusted Computing Group
  - AMD sees the TCG as the BEST way for the computing industry to address the collective need for increased trust in computers
- AMD believes that the computer industry has a shared responsibility to improve computer security
  - Open standards are essential to the success of this effort

- The Trusted Computing Group has critical mass
  - More than 80 corporations are TCG Members
- TCG has the “architectural vision” for Trusted Computing
  - Core TCG Technology:
    - Determining Platform State (in spite of attacks)
    - Reporting this Platform State (in spite of attacks)
    - Protecting data against unauthorized disclosure
    - Protecting user privacy
  - Experts from leading technology companies working cooperatively
- TCG has the correct charter and mission
  - Vendor neutral
  - Cross Platform (PC’s, Servers, phones, PDA’s, peripherals etc.)
  - Open specifications for “building blocks”
  - Open membership
  - RAND IP model

- TCG also has the right internal structure
  - Open Workgroup Formation Process
    - Allows TCG to be “member driven”
  
- TCG is also at the forefront of Government interactions on Trusted Computing
  - EU
  - German Federal Ministries
    - Economics and Labor
    - Internal Affairs
  - CISTC
  
- TCG is also at the forefront in defining and advocating proper usage of Trusted Computing Technology
  - TCG Best Practices Principles

- Raise the bar for PCs by addressing the trust related issues
- Minimize the system cost impact
- Preserve the billions of dollars in investment made by IHVs and ISVs
- Provide strong privacy protections while increasing security
- Enable new uses for the PC and new revenue streams for OEMs

- New Hardware Capabilities

- Isolated Execution Space (CPU Feature)
- Enhanced Virus Protection (CPU Feature)
- Storage Sealing (TPM Feature)
- Secure Initialization (CPU/Chipset/TPM Feature)
- Secure Input (Chipset/CPU Feature)
- Secure Output (Chipset/CPU Feature/GPU Feature)
- Remote Attestation (Chipset/CPU/TPM Feature)