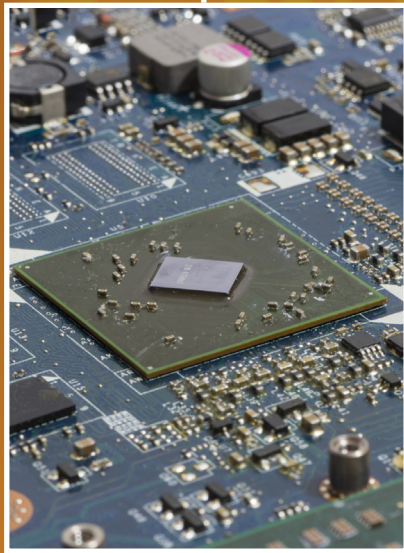




ASIC Design



The asicNorth ASIC Design group is comprised of over 30 experienced professionals with an average of over 25 years in the semiconductor industry. Our team includes a Ph.D, 7 MSEE degrees, and 3 MSCS degrees.

Using the best Industry Standard Electronic Design Automation (EDA) tooling, our staff designs chips that are smaller, faster and more functional than any previously available.

asicNorth ASIC designers are at the Vanguard of the technology revolution and enabling the future of highly integrated electronic devices

Leveraging CMOS Scaling to Dramatically Improve Device Functionality

HISTORY

asicNorth was founded by 2 experienced IBM ASIC Engineers wanting to be freed from the constraints of a large corporation and independently develop ASIC products for the 21st century. What started as a 2 person design shop has blossomed into a fully equipped ASIC development organization capable of providing complete ASIC solutions with the worlds most advanced technologies. Today asicNorth engineers are developing chips and subsystems using 14nm FinFet technologies and each day show our customers the value of hiring one of the premier ASIC design organizations in the United States.

CAD SOFTWARE

- Verification/Simulation: Mentor Modelsim/Questa, Cadence NCSIM, Synopsys VCS
- Synthesis: Cadence RTL Compiler, Synopsys DC expert
- Test Insertion : Cadence Encounter Test, Atrenta DFT, Synopsys TetraMAX
- Timing: Synopsys Primetime, Cadence Tempus
- P&R : Cadence Encounter, Synopsys IC Compiler
- Equivalency: Cadence Conformal, Synopsys Formality
- Physical Verification: Mentor CALIBRE, Synopsys ICV, Cadence PVS

FOCUS AREAS

- Digital Logic Design (RTL)
- Logic Verification using SystemVerilog & UVM
- Digital Implementation
 - Constraint Development
 - Synthesis
 - DFT Insertion & ATPG
 - Static Timing Analysis & Closure
 - Place and Route
 - Logical Equivalency Checking
 - Physical Verification
 - Tape-out & Sign-off

For more information on asicNorth's Premier VLSI Design Services, please contact:
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