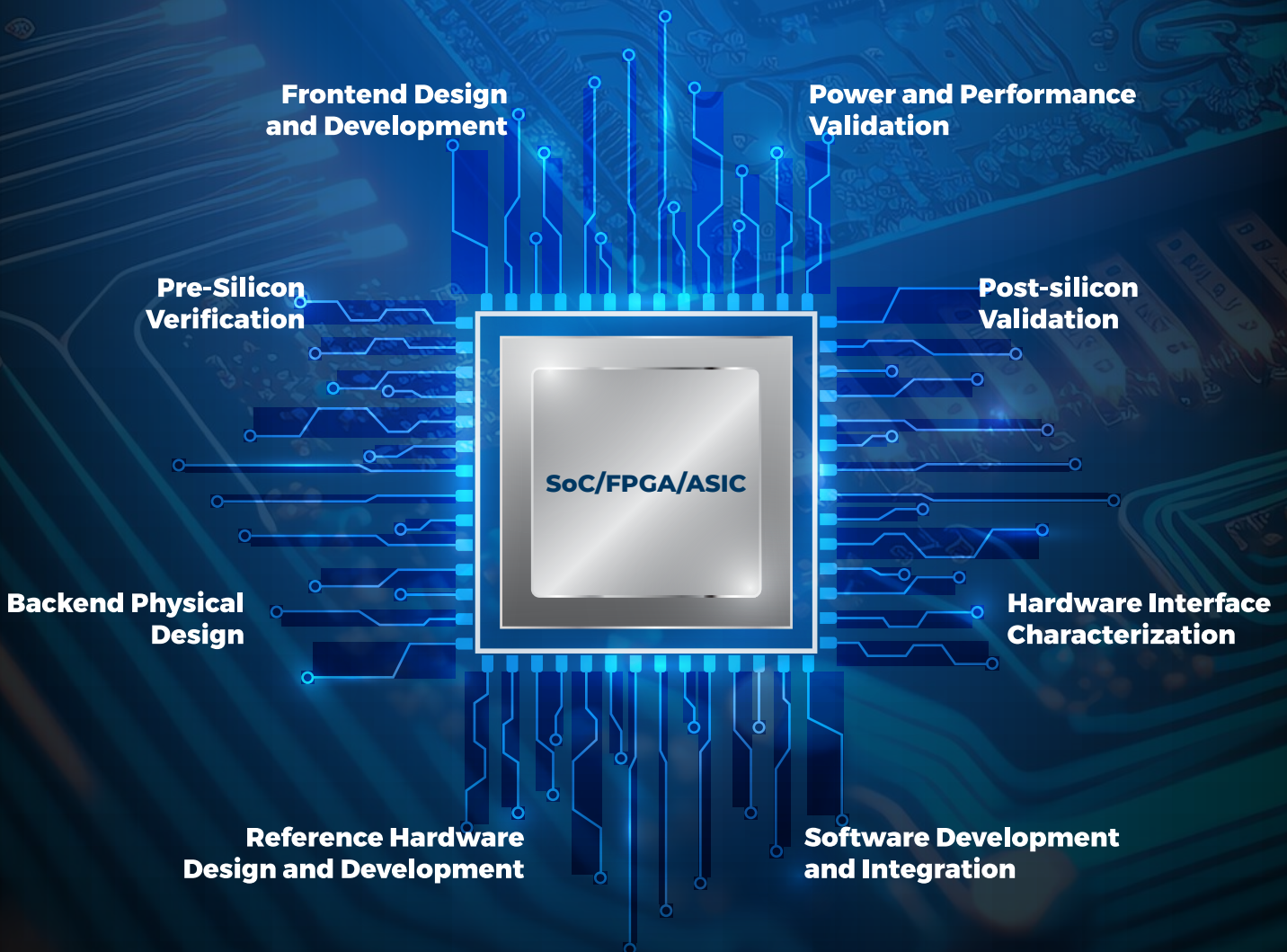




**Global Provider of  
ENGINEERING, MANUFACTURING, DIGITAL  
Services and Solutions**

# **SEMICONDUCTOR ENGINEERING SERVICES**

At VVDN, we specialize in offering comprehensive semiconductor engineering services, assisting semiconductor companies in developing their next-gen chipsets and solutions with accelerated time-to-market. Our team has extensive experience and expertise in RTL design, pre-silicon verification, post-silicon validation, evaluation/reference hardware and firmware design and development.



# OUR EXPERTISE

## ● FRONTEND AND BACKEND DESIGN

- RTL Coding
- Micro Architecture
- IP Design, SoC Integration
- Architecture Design
- Design Synthesis
- CDC, Lint
- Scan/MBIST Insertion
- ATPG, ATE, Silicon Bring-up
- LEC, Chip/Floor Planning, PnR, DRC/LVS, Signoff STA

## ● REFERENCE HARDWARE AND SOFTWARE DESIGN

- Evaluation Kit Hardware Design
- Embedded Software Development
- Board Support Package (BSP)
- Linux Kernel
- Device Driver Development

## ● VERIFICATION

- Pre-silicon/IP Verification
- Functional Simulation
- Gate Level Simulation
- Coverage Report
- OVM/UVM Expertise

## ● VALIDATION

- Post-silicon Validation
- Hardware Characterization
- RF Characterization
- Power and Performance Validation

## ● DSP

- MATLAB Design
- L1 Block Modeling
- Signal Conditioning/Processing
- Filter Design

## APPLICATION EXPERIENCE



WIRELESS SYSTEM &  
TELECOMMUNICATION



AUTOMOTIVE



CONSUMER  
ELECTRONICS



CAMERA &  
SURVEILLANCE



DATACENTER



STORAGE

## ABOUT VVDN

● 10K+ EMPLOYEES

● 7 MANUFACTURING FACILITIES

● GLOBAL PRESENCE IN  
MORE THAN 7 COUNTRIES

● 11+ DESIGN CENTERS

● DEDICATED HARDWARE  
TESTING LABS

### CORPORATE OFFICE

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SCAN ME

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