



Embedding

Ideas

Company Profile

Crystaline Infotek Pvt. Ltd.

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MISSION

To Provide Product Development Services in Embedded Systems Space.

To Build Intellectual Property in Security & Surveillance Verticals.

To provide the growth path to every member of the company.

Introduction

Identity: Product Development Services Co.

Our core offerings are -

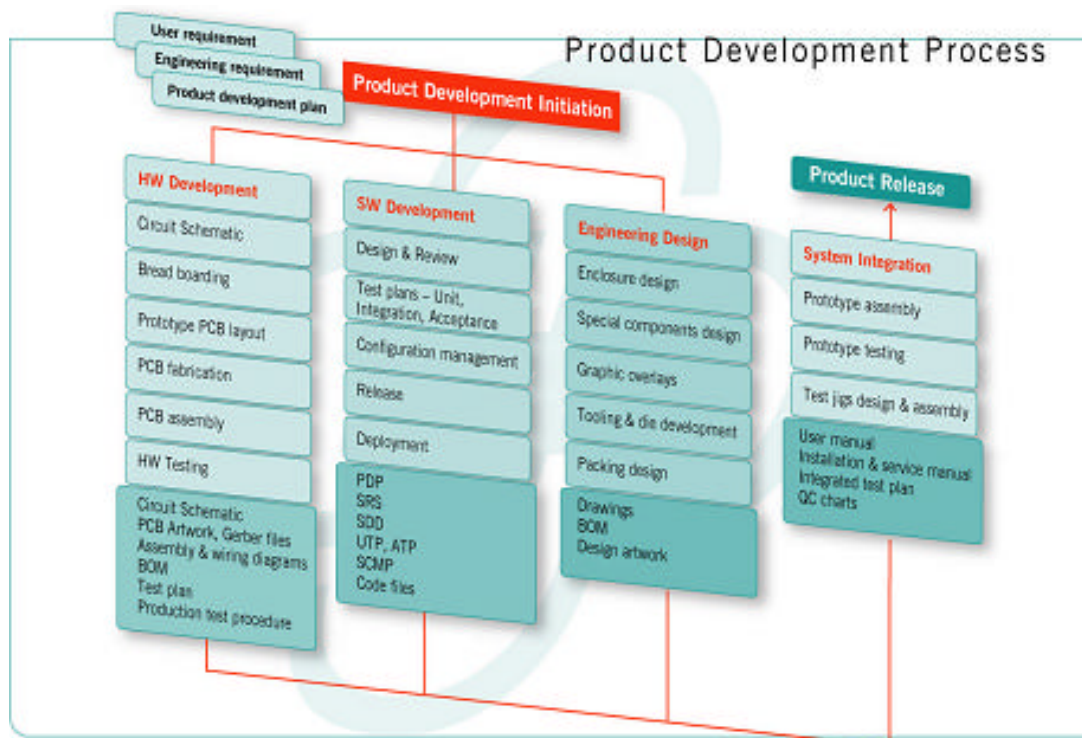
End-to-End product development services for electronic products – hardware & firmware development services.

Engineering services for fabless semiconductor companies

Development of device drivers, BSP, OS porting etc.

About Crystalline

Crystalline Infotek Pvt. Ltd. Provides solutions and development services in embedded domain. The company offers end-to-end Integrated Product development services. The founders of the Company are professionals working in these areas with the motive to excel in the technology domain and build a successful Global corporate enterprise. The focus is on developing hardware and software for various equipment, instruments, products used in consumer electronics, medical electronics, process and industrial automation and communication and so on.



Management And Operation Team –

The founders of Crystalline, Mr. Nitin Joshi and Mr. Anant Gokhale have a rich experience of more than 15 years as entrepreneurs. They set the overall tactical and strategic direction of the company. However, every member of Crystalline is a crucial element in the success of this enterprise. Our team comprises of about 25 qualified members: Hardware Engineers, Firmware programmers, Engineering staff, QA Experts, Technical Writers, Project Leaders/Managers etc. Crystalline is well supported by its eminent board of advisors.

Infrastructure

Facilities for embedded systems development

- Hardware design tools e.g. Orcad, Circuit maker, PADS
- Hardware test and measuring instruments
- Digital Storage 100 MHz Oscilloscope.
- Multimeters
- Network Analyzer
- Logic Analyzer
- In circuit Programmers
- Product Testing and Approval Facility (CE & UL) *

(* Facilities available in Pune with Associates)

Focus areas

Product Development Services

- Design & Development of microprocessor based equipments.
- Hardware/Software Testing.

Device drivers and interfaces for digital communication

- T1/E1/J1 standards.
- Fax Protocols: T.4, T.30 FoIP: T.37, T.38
- USB
- RS232/ RS422/ RS485
- Ethernet

RF (Wireless)

- ISM Band RF Communication / Telemetry
- RFID
- ZigBee, Bluetooth, 802.11

Industrial Automation

- Protocol Gateways / converters for MODBUS, Honeywell ABC, IEC60870-5-103, IEC1107, SECS SEMI protocols
- Interface Converters
- TCP/IP and Industrial Ethernet

Security, Safety & Surveillance

- Intrusion Protection
- Access Control
- Gate Automation
- Fire Protection
- Video Surveillance

Skill set

Processors/ DSP	Microchip, Atmel, Unicom, Cradle, TI, Analog Devices, Rabbit Semiconductor, Renesas, ARM, PowerPC
Operating systems	VxWorks, mCOS, eCos, Windows CE, Embedded Linux, ITRON, JCOP
Device drivers	USB Controllers for various class types, Serial, PCI
Communication	USB, Serial, 802.11b/g, Bluetooth, SDH/SONET, ATM, SECS, GEM, Modbus, CAN, Profibus, ARINC 429, MIL-STD 1553, RS-232,RS-422,2-wire,4-Wire 485, Ethernet, ISA, PCI,AC,T1/E1/J1, T3
VOIP / FOIP	H.323, G.7xx, SIP, MGCP, T.37, T.38.
Modem/Fax	V.90, T.4, T.30.
Security technologies	PKI Technology, PKIX, CMP, OCSP, PKCS, Digital Signatures & Certificates, X509, Encryption Standards & Algorithms, AES,DES, RSA, SHA
Smartcard technology	ISO 7816, GSM, PC/SC specification, USB Chip/Smart Card Interface Devices (CCID) Specification Microsoft Smart Card APIs suit
Board design and development	MCU / MPU chip eval boards with FPGA / CPLD
Networking Protocols	TCP/IP, DNS, DHCP, HTTP, FTP, SMTP

Partnerships:

