
Company Profile

Multimedia Expertise

**GRACE System TechnologyLabs
(India) Pvt. Ltd.**

Technology Centric, Value Driven

Expertise on Multimedia Related boards

Over the past few years we have been involved in many exciting Projects related to Multimedia/Set top box and Digital TV.

Some of the Projects in which our Associates have been involved are listed below:

Projects – On Media Related Boards

1. Linux 2.6 BSP for Samsung - S3C2413 based board. This involved :
 - ❖ ARM Cross Compile Tool Chain
 - ❖ Boot Loader, Flash Driver, SDRAM Test
 - ❖ Kernel Porting and Bring up
 - ❖ ATA Driver, I2C Driver, DMA Driver, GPIO Driver
 - ❖ BusyBox, Ramdisk build
 - ❖ Applications and Support

Projects – On Media Related Boards

2. Linux 2.4 BSP for Samsung - S3C24A0 based board. This involved :

- ❖ ARM Cross Compile Tool Chain
- ❖ Boot Loader, Flash Driver
- ❖ Kernel Porting and Bring up
- ❖ DMA Driver, GPIO Driver
- ❖ Applications and Support

Projects – On Media Related Boards

3. Linux 2.6 drivers on TI TMS320DM6446 based board. This involved :
 - ❖ GPIO Driver and Audio Support
 - ❖ SD Card Driver
 - ❖ SDIO Driver
 - ❖ EDMA Driver
4. Video Decoder Driver on TMS320DM6441

Projects – On Media Related Boards

5. Linux 2.4 drivers on Samsung - S3C24A0A based board. This involved :

- ❖ LCD Framebuffer driver
- ❖ HDMI Driver
- ❖ I2C Client driver
- ❖ Audio Driver

6. Linux 2.6 drivers on TMS320DM6441 based board. This involved :

- ❖ Custom Power controller Driver
- ❖ Battery Gas Gauge Driver
- ❖ Support Kernel HRT driv
- ❖ JFFS2 filesystem

Projects – On Media Related Boards

7. Wince 6.0 drivers on TMS320DM6446 based board. This involved :
 - ❖ OnChip USB Host Controller Driver
 - ❖ USB WLAN Driver for the ZD1211 device
8. WinCe 5.0 SDIO driver and config utility for WLAN chipset
9. creation of device driver abstraction layer, Integration and testing of different decoder and encoder on Texas -TMS320DM6446 based platform for WinCE 6.0
10. Application for playing media files in the target board
11. Audio Support and Video Encoder Driver, SDRAM test on Texas -TMS320DM6446

Projects – On Media Related Boards

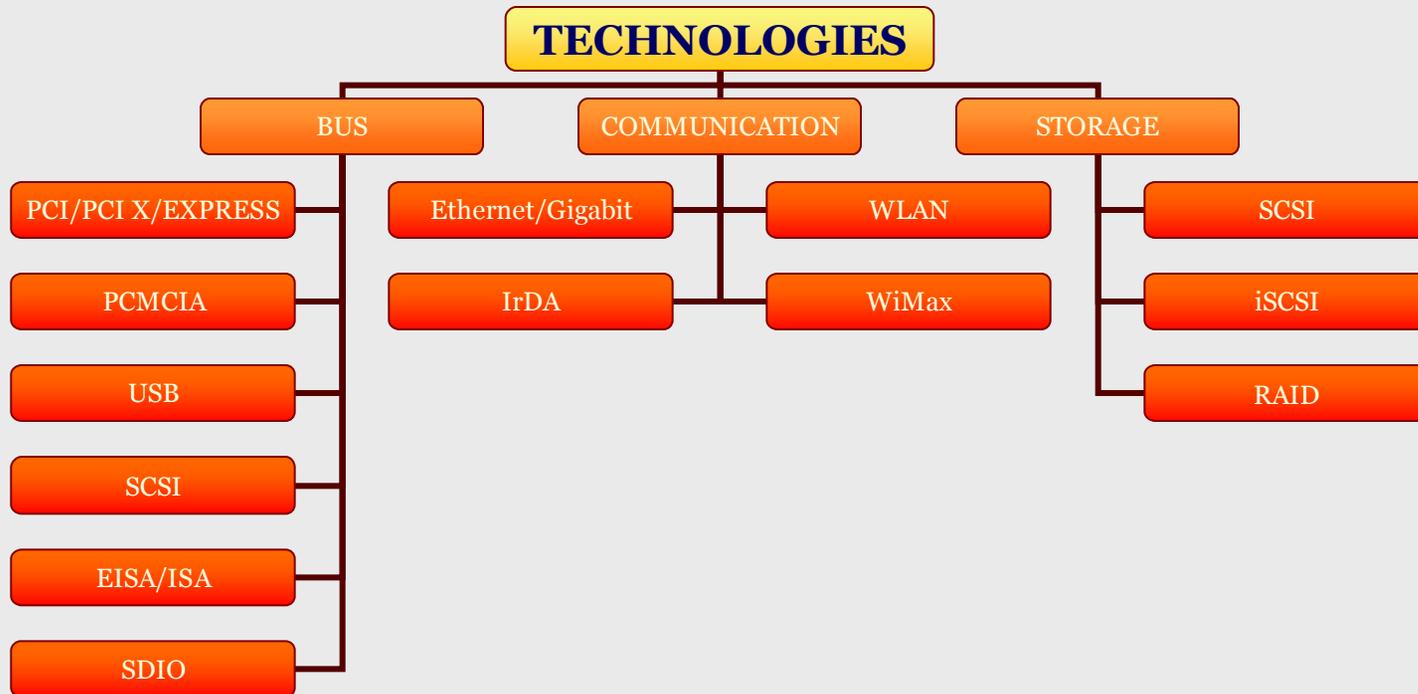
12. Performance upgrade of Flash & Implementation of Hive based registry onto it for WinCE 6.0 on Texas -TMS320DM6446 based platform.
13. WinCE BSP porting from Sfumato on Texas -TMS320DM6441 based Davinci board
14. Development of Buffer Flush & Frame Drop features in HAL of QV1721
15. Development of AP-Client support for RT-73 Wireless chipset on ST Board
16. Development of virtual display driver for ST Mobile2Display board
17. Enhancements for flash driver & utility for ST M2D board

Case Studies

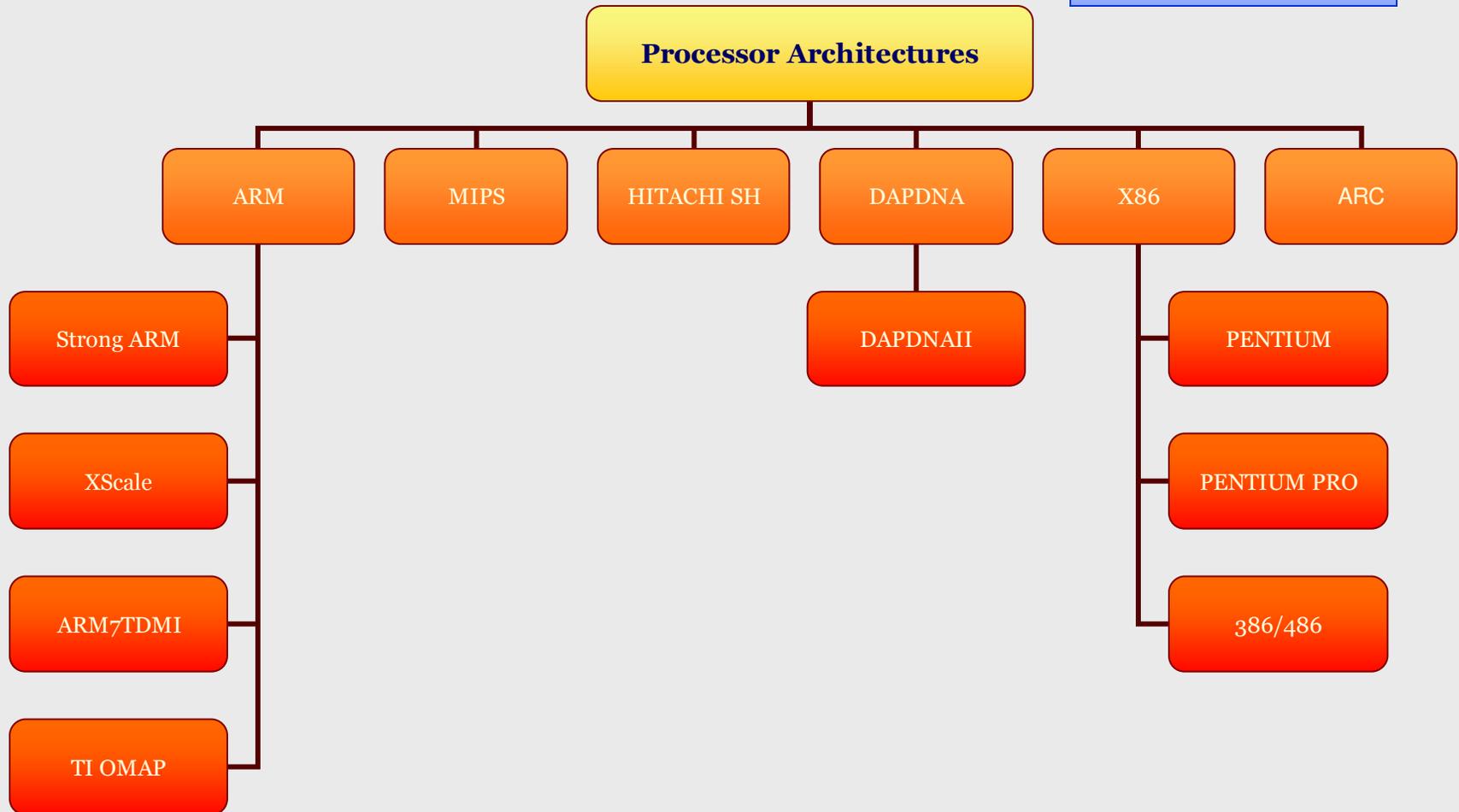
For case studies please visit :

www.gracelabs.com/case_study.html

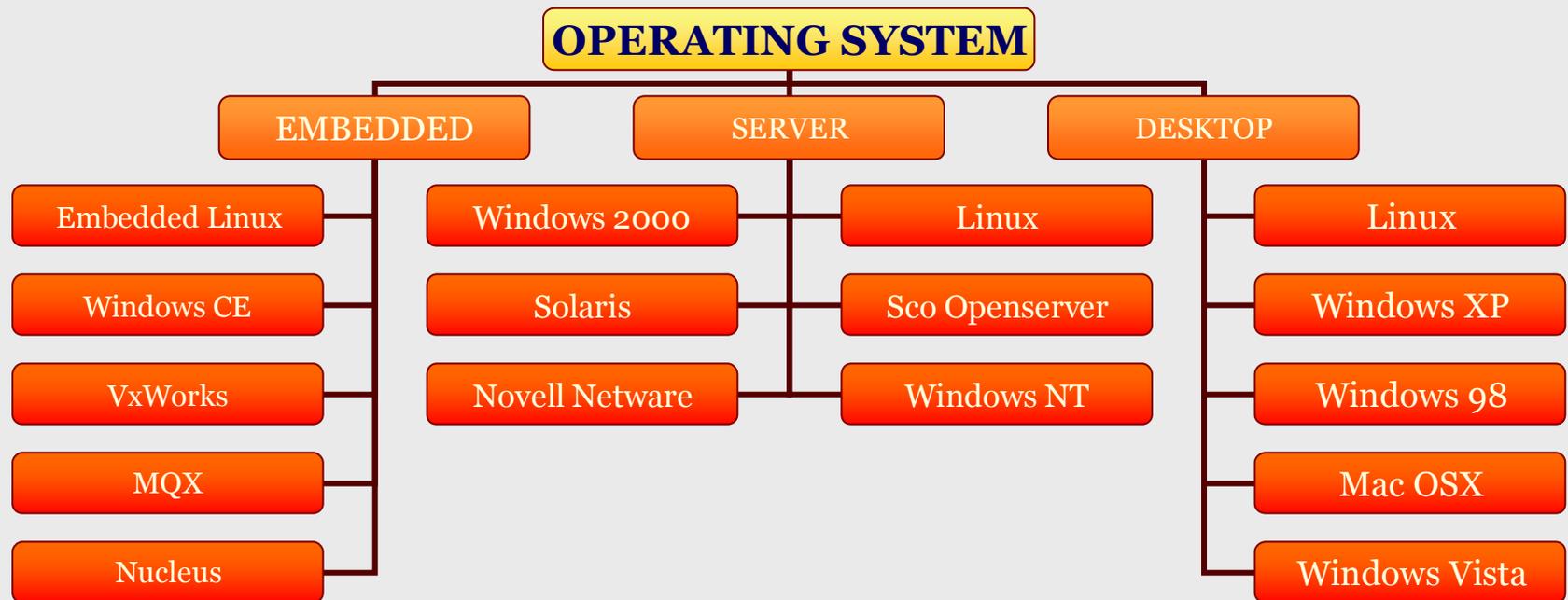
Domain Expertise – TECHNOLOGIES



Domain Expertise – ARCHITECTURES



Domain Expertise – OPERATING SYSTEMS



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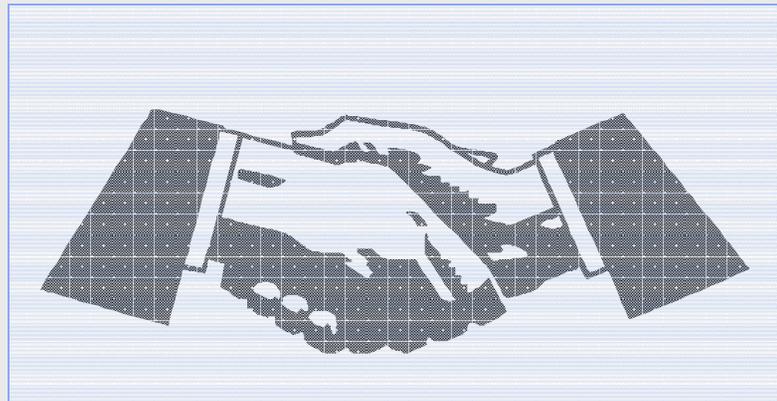
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***Looking Forward to a mutually
Beneficial relationship...***



THANK YOU

Gracelabs