CASE STUDY

ALTEN CALSOFTLABS
AN ALTEN GROUP COMPANY

FLASH LITE PORTING ON DAVINCI DM6446

THE CLIENT

The client is a market leader in media and entertainment sector.

BUSINESS NEED

Client had designed a Set Top Box like product for rural & semi-urban India market based on TI DM6446 DaVinci processor for cable TV and internet applications. The client envisaged to provide Flash Lite Plug-in support for DaVinci platform running with Montavista Linux Kernel 2.16.xx to give users internet connectivity to play online games and watch video through YouTube.

TECHNOLOGY USED

- **Hardware:** TI DaVinci6446 which combines a 300 MHz ARM9 core with a 594 MHz DSP core

- **Firmware:** Flash Lite 3.1, Montavista Linux 2.6.xx, Flash ATS, GTK/X11, Direct Frame buffer

SOLUTION DELIVERED

- ALTEN Calsoft Labs used the Opera GOGI Plug-in APIs for browser and Flash plug-in interaction and Opera APIs for painting to Linux frame buffer and in timer handling

- Once the porting of Flash Lite 3.1 plug-in player was completed, comprehensive tests were conducted using ATS tests.

- ALTEN Calsoft Labs got the solution certified by Adobe.

BUSINESS BENEFITS

- Client was able to enter the rapidly growing CAS market early and quickly corner a large market share

- Client's feature rich set top box with Flash Lite plug-in for playing on line games and watching YouTube was a big differentiator

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