

Product Engineering Services

Printers & Multi-function Products

Inspiring and Delivering

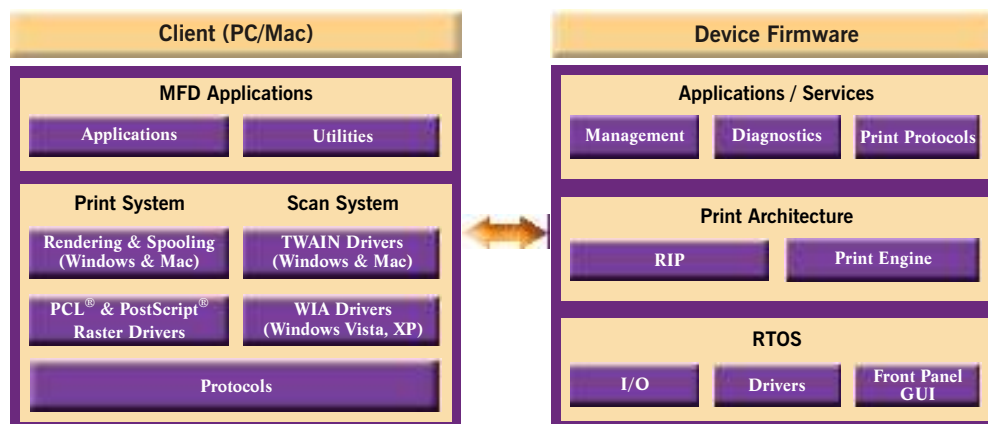
Print Innovations

Evolving standards and technologies are redefining the contours of the printing marketplace. For technology firms in the Printing industry, meeting the ROI expectations of new-age businesses, creating innovative products and getting them to the market faster than the competition has become an imperative.

For nearly a decade, Celstream has met the demanding product development needs of global technology companies in the Printing industry.

Areas of Expertise

We possess indepth engineering expertise in embedded systems and software for Multi-function Products (MFPs), Specialty Printing and a host of other print applications.



MFP Client

Our MFP Client expertise covers the entire MFP capture and print architectures of diverse platforms, including Windows®, Mac OS® and Linux®.

- PostScript®, XPS, PCL & Raster Printer Drivers for Windows®, Mac®
- Scan Drivers TWAIN & WIA for Windows®, TWAIN for Mac®
- Printer Driver Plugins
- Print & Capture Architectures for Windows® & CUPS
- Font Management
- Print Protocols & Print Services
- Troubleshooting & Diagnostics Tools

Embedded Systems & Applications

We have extensive experience in Embedded Systems for Print, Copy, Scan and Fax sub-systems, including:

- RIP (Adobe® 3016)
- PDL (PS, PCL, Raster), Fonts
- Print Protocols
- Management (SNMP & HTTP Servers for Device Status, Configuration & Trouble shooting)
- Embedded Applications
- Front Panel UI
- Board Support Package Development for RTOS
- Network Enabling & I/O Connectivity Drivers

MFP Applications

Based on our deep expertise in Embedded Systems, Software and Web Services, we have capabilities to develop or integrate MFP devices and clients with a broad range of applications, including MFP workflows and management software.

- Print, Scan & Faxing applications
- Print Management
 - Host-based Device Configuration & Management tools
 - Driver based Diagnostics tools
- Usage Profiling Tools
- Printing for Mobility
- Applications for Specialty printing such as
 - Variable Data Printing
 - Bar Codes
 - Web-to-print
- Print drivers for Mobile Devices

Portfolio of Services

We offer complete range of services that help shorten your delivery cycles, increase your product functionality and enable faster ROI.

New Product Development

- Ideation
- Prototype
- Implementation
- Multi-release

Current Product Engineering

- Enhancements
- Porting
- Migration
- Optimization
- Sustenance

QA/Testing

- Embedded
- Usability
- Certification
- End-to-End Solution

Professional Services

- Consulting
- Customization
- Integration
- Technical Support

Track Record

Embedded Systems

- Embedded Web server based device management services & in-field upgrades for devices
- Secure networking protocols for devices & client applications
- PIN-based secure printing & scanning for networked devices

Scan Systems

- TWAIN drivers for network & direct connect scanning devices on 32 & 64-bit Windows® & Macintosh OS® X platforms
- MS certification compliant WIA drivers for Windows® 32 & 64-bit platforms
- WIA 2.0 drivers for Windows® Vista™ 32-bit & 64-bit systems

Print Applications

- Administrator tool to distribute print servers across network
- Speciality & personalized printing applications on Windows® XP, Windows® Vista™ & Macintosh®
- Printing & scanning solutions for mobile users
- .NET based printer usage collection, analysis & reporting tool



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