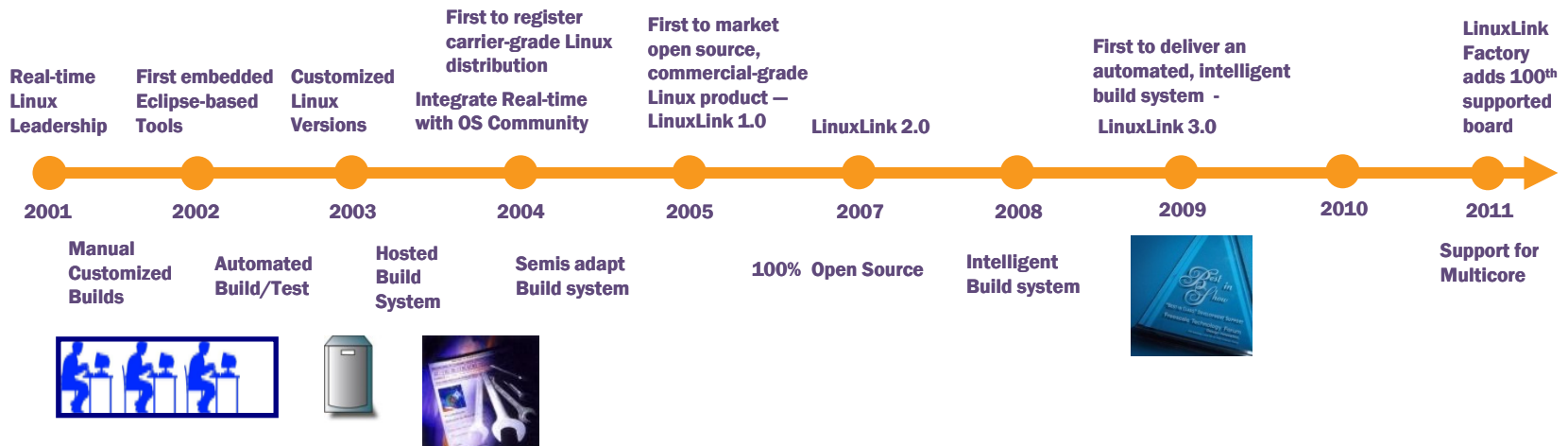


# Timesys Overview

# About Timesys: Proven Linux Pedigree

- More than 1000 projects, 200+ customers
- First to develop and deliver an award-winning, automated, intelligent, embedded Linux build system (LinuxLink 3.0)
- Support for 8 architectures, 100+ processors & SoCs
- Customers targeting industrial automation, mil/aero, medical, telecom, consumer electronics, and automotive segments
- Support for multi-core environments



# select customers supported more than 1000 projects



# Freescale Processors Supported

[www.timesys.com/supported/processors/freescale](http://www.timesys.com/supported/processors/freescale)



## Vybrid based Processor families:

Processor Family	Processors Included
------------------	---------------------

VF5xx	VF5xx
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VF6xx	VF6xx
-------	-------

## i.MX based Processor families:

Processor Family	Processors Included
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i.MX2x	i.MX25, i.MX28
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i.MX3x	i.MX35
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i.MX5x	i.MX50, i.MX51, i.MX53
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i.MX6x	i.MX 6
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## QorIQ based Processor families:

Processor Family	Processors Included
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QorIQ P1	P1010/P1014, P1020/P1011, P1021/P1012, P1022/P1013
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QorIQ P2	P2020/P2010
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QorIQ P3	P3041
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QorIQ P4	P4080/P4040/P4081
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## ColdFire based Processor families:

Processor Family	Processors Included
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ColdFire MCF54x	MCF5485
-----------------	---------

## Host and Integrated Host based Processor families:

Processor Family	Processors Included
------------------	---------------------

MPC86xx	MPC8641 (MPC 74xx)
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## Industrial/Automotive based Processor families:

MPC51xx	MPC5121
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## PowerQUICC based Processor families:

Processor Family	Processors Included
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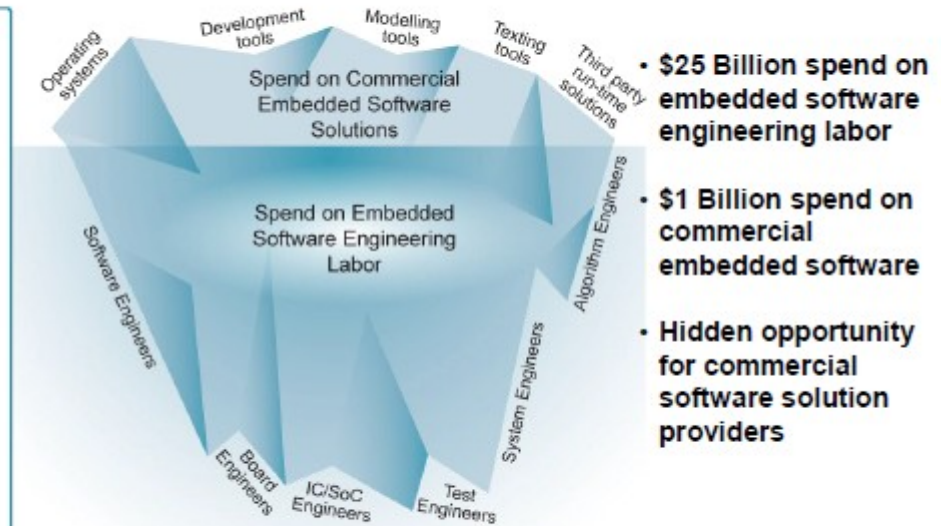
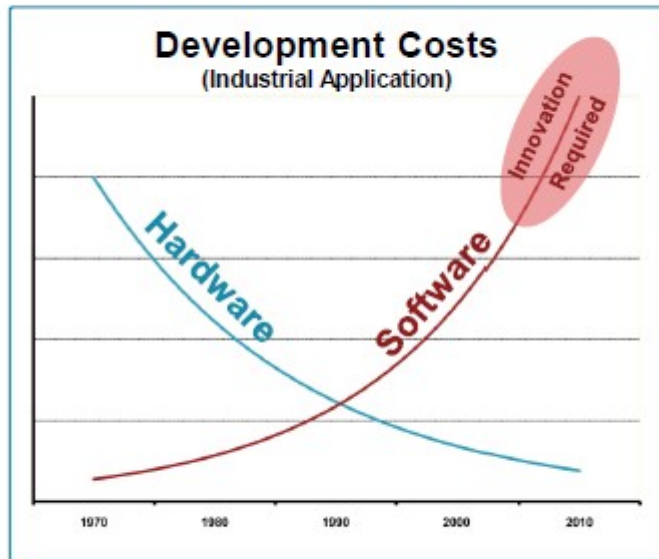
PowerQUICC-I	MPC870, MPC875, MPC880, MPC885
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PowerQUICC-II	MPC8272
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PowerQUICC-II Pro	MPC8308, MPC8308E, MPC8313E, MPC8315E, MPC8323E, MPC8349E, MPC8360E
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PowerQUICC-III	MPC8536E, MPC8544E, MPC8548E, MPC8560, MPC8572
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# Software Complexity



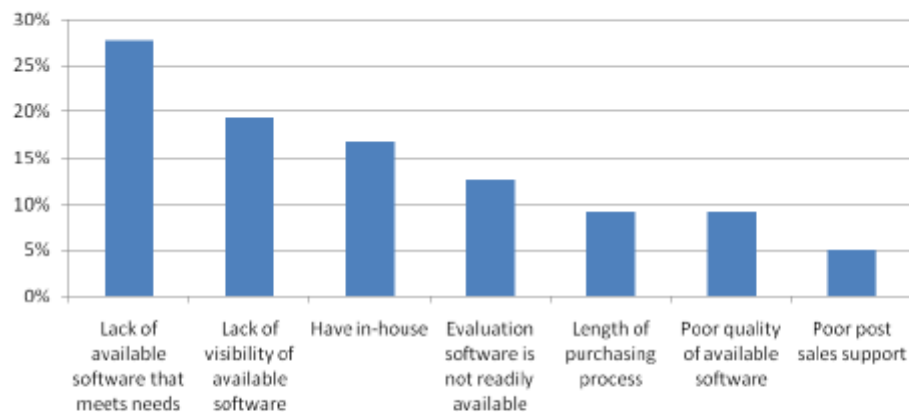
Source : VDC Research and Siemens industrial automation group

- Increasing software requirements, New products are more complex, incorporating connectivity, graphical user interfaces, energy efficiency.
- Software development the “long tail” of the product development cycle.

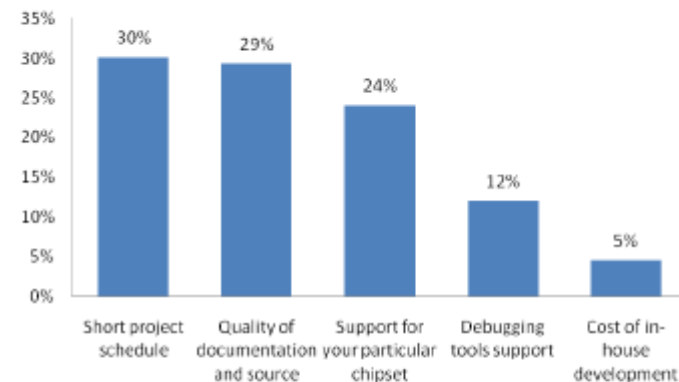
# Customer profile & decisions

- Purchase through a distributor.
- Average spend on silicon parts: \$88,000/yr
- Projects have 1 – 8 software engineers → small teams
- 40% customers do not use external software today.

Reason for not purchasing external software today



Greatest influencing factor for purchase of software



Source : VDC Research and Siemens industrial automation group



# Embedded Software Store.com

The screenshot shows the Embedded Software Store.com website. At the top, there is a navigation bar with links for 'Login/Register', 'My Account', 'Help & Support', and 'My Cart (\$0.00 items)'. Below this is a search bar and a main navigation menu with categories like 'Software & Tools', 'Operating Systems', 'Markets', 'Meet The Vendors', and 'Community'. The main content area features a large heading 'How Does the Embedded Software Store work?' followed by a paragraph explaining the platform's purpose. Below this is a diagram showing the flow from 'Independent Vendors & Software Developers' through the 'Embedded Software Store' to 'Engineers & Designers'. There are also sections for 'Popular Categories' (Operating Systems, Middleware, Tools), 'New Products' (UC/OS Framework for the NXP LPC21xx, Wedge MCR33M, CID-Middleware TCP/IP Base Stack, Wedge C88), and 'Community Spotlight'. The footer contains links for 'Customer Support', 'Vendors', 'Corporate Information', 'Community', and 'Partner Communities'.

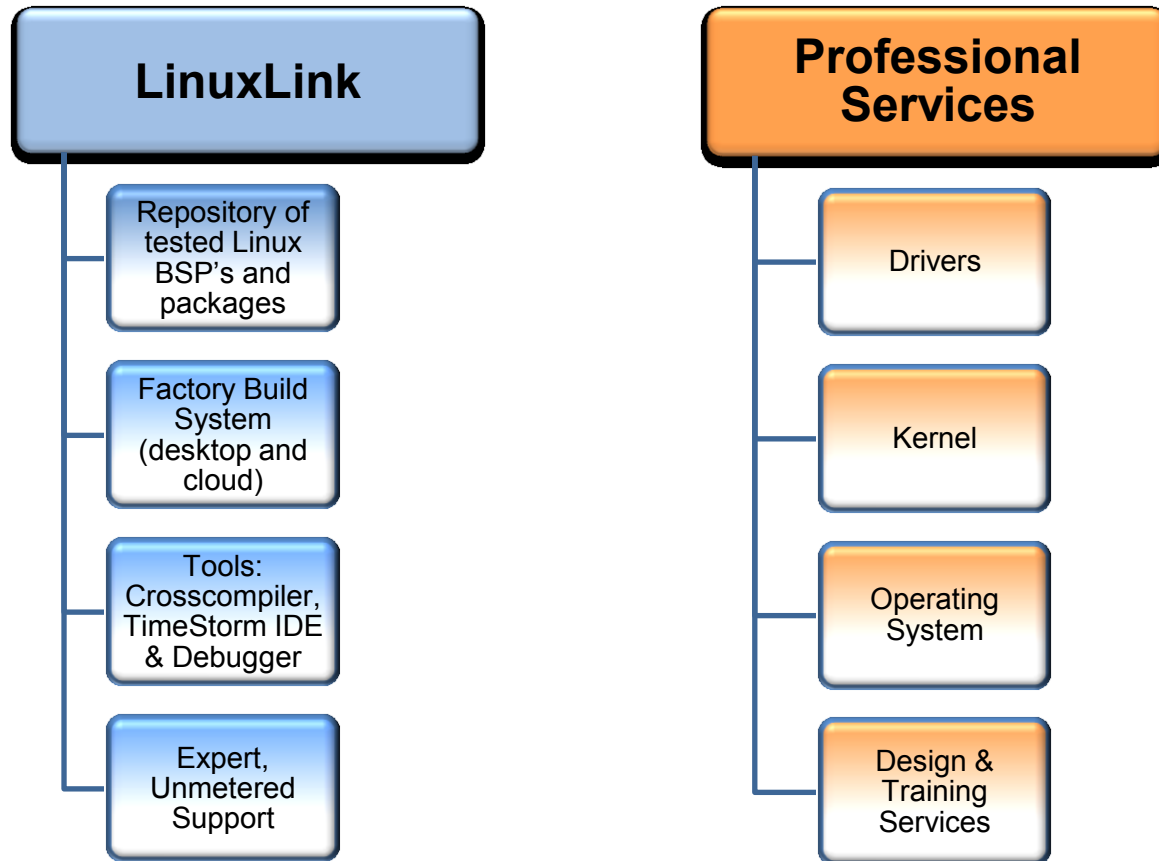
A market  
place for...

developers and  
customers

searchable for multiple  
solutions

simple licensing and  
transactions

# Timesys Embedded Linux Offerings



**LinuxLink** – For engineering teams looking to build embedded linux devices in-house easily, reliably and fast with access to expert support

**Professional Services** – For engineering teams looking to outsource development work so their teams can focus on building differentiation

# LinuxLink – Major Vybrid Differentiator

## Web Edition

- Design, build and deploy custom Linux BSP
- Maximum ease-of-use for new embedded Linux developers

## PRO Edition

- Fully customizable build and configuration tools
- Local factory repository support
- TimeStorm tools
- Unmetered support

Distribution market-friendly business model

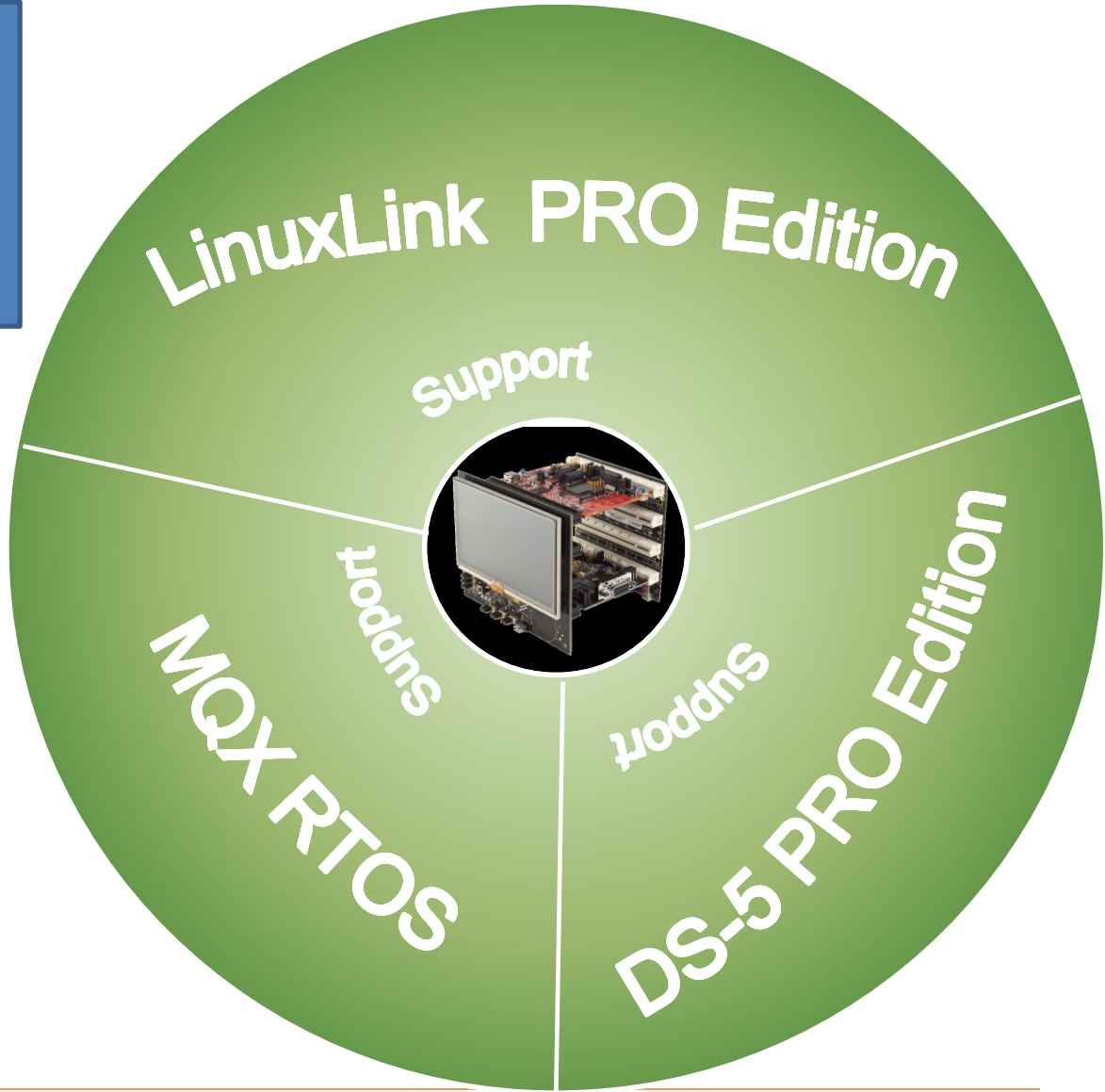
Future SaaS infrastructure



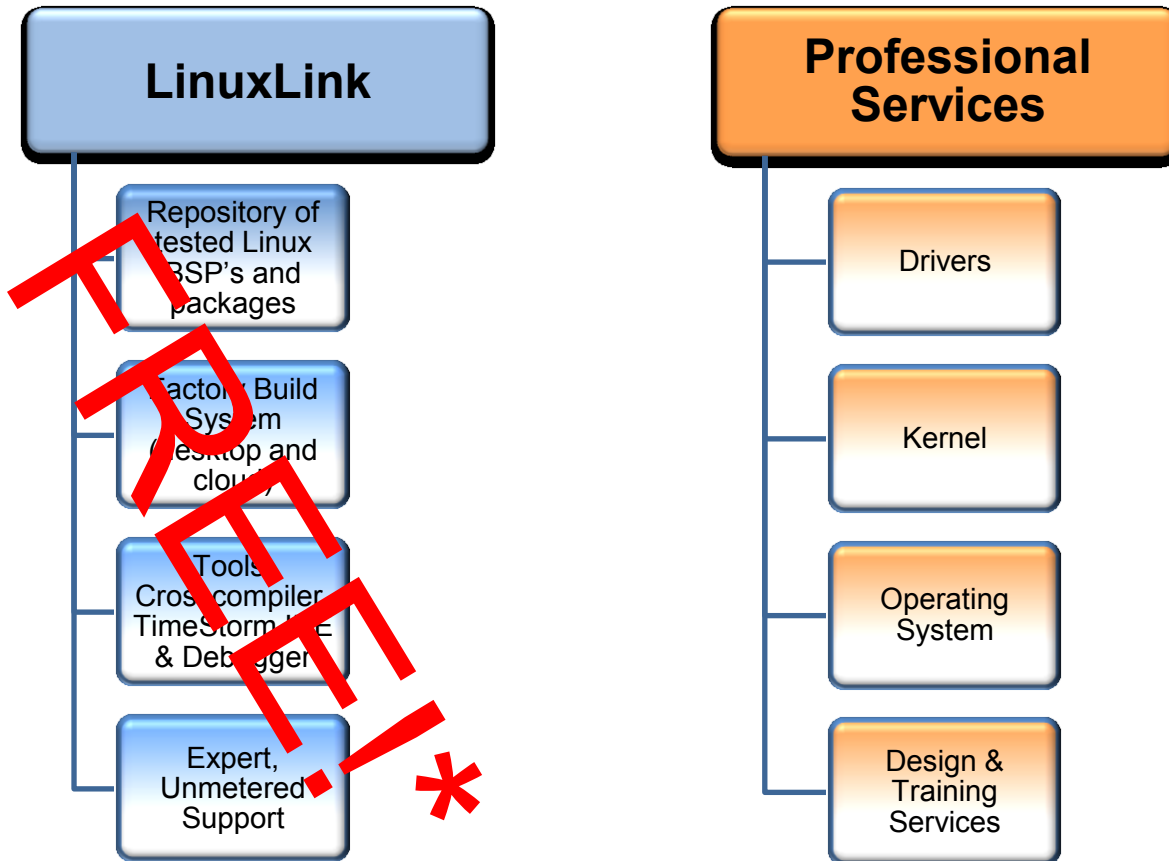
- **For Vybrid, ALL customers purchasing Tower or PHYTEC kits can register to get PRO tools with unmetered support**

# Vybrid – Complete Software Solution

Complete software included Free with a Vybrid Kit purchase



# Timesys Embedded Linux Offerings – for Vybrid



**LinuxLink** – For engineering teams looking to build embedded linux devices in-house easily, reliably and fast with access to expert support

**Professional Services** – For engineering teams looking to outsource development work so their teams can focus on building differentiation

**\* With purchase of Tower or PHYTEC kit**

# Timesys Professional Services Menu

Hundreds of man-years of embedded experience delivering:

- o **Design Review and Consulting**
- o **Training**
- o **Kernel and Subsystem Development**
- o **Driver Development**
- o **Board Support Packages**
- o **Operating System Porting**
- o **Performance Tuning**
- o **Application Development**
- o **Android**



# Timesys Technical Training Offerings

## Timesys Corporation Customized Training: Courses

Timesys offers customized, on-site training courses that benefit all developers — from the beginner to the experienced. Our training ranges from focused, one-day sessions to intense, comprehensive, multiple-day sessions. Timesys Training Courses include a combination of classroom lectures and hands-on exercises, enabling attendees to immediately apply the lessons to actual development.

<http://www.timesys.com/embedded-linux/training>



**Introduction to Embedded Linux (EL201)**

**Introduction to Timesys Tools (TS201)**

**Embedded Linux Applications Design and Optimization (EL202)**

**Embedded Linux Board Support Packages and Device Drivers (EL805)**

**Embedded Linux Applications Intensive (EL901)**



# Why Timesys Professional Services

## o Deep Embedded Linux Expertise

- Across Eight architectures, 100+ application processors and SOCs
- Includes building, porting, customizing, troubleshooting embedded Linux applications

## o On Time, On Budget

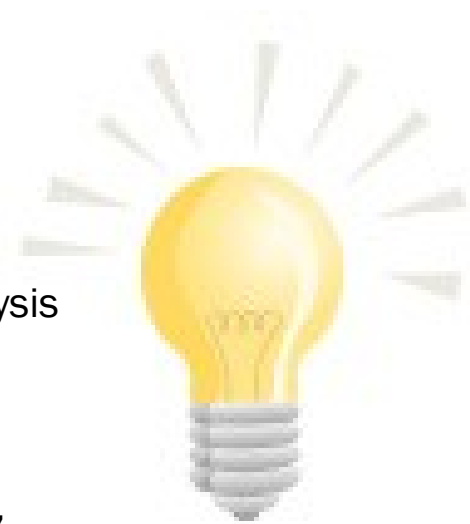
- Affordable fixed and T&M pricing
- Proven record of delivering on time
- We work fast without requiring lengthy evaluations and analysis

## o Timesys Quality Process and Warranty

- Elaborate QA process that includes an extensive board farm, a large database of kernel and device driver testing code, a significant amount of test automation
- Full guarantee of satisfaction with many reference customers

## o Global Reach through Local Partners

- Services in UK, Germany, Italy, Scandinavia, Japan



## Example Services Projects Delivered

- **Developed custom Freescale Power Architecture port** for Siemens Intelligent Transportation Systems
- **Built and delivered tested Linux platforms for ARM and Power Architecture-based custom boards**, targeting applications in the medical, networking, multimedia, mil/aero, and industrial automation markets
- **Enabled quick-booting embedded X86 GUI** for the In-Flight Entertainment Solutions division of Thales Group
- **Created a Freescale Power Architecture-based real-time Linux port** for a large mil/aero customer
- **Optimized an Atmel ARM9-based webkit implementation** including identifying reasons for sub-par performance and implementing improvements
- **Developed a Java-based secure SD card authentication client/server system** for a well-known multi-function printer manufacturer
- **Ported/optimized Android on a custom TI OMAP-based design**

# Professional Services Engagement Model

- **Upfront clear pricing: T&M as well as firm fixed price based on Statement of Work**
- **Detailed Statement of Work with interim milestones and deliveries**
- **x% up front payment with balance billed as milestones hit**
- **No hidden fees**
- **Knowledge, tools and source code transfer to ensure your independence**
- **Committed to customer success and building long term relationships**

## contact us

### ■ Contact Al Feczko at:

- [al.feczko@timesys.com](mailto:al.feczko@timesys.com)
- (412) 897-2416 (mobile)



Request a personalized,  
live demo and/or quote

### ■ Contact Technical Support at:

- <https://linuxlink.timesys.com/support>