

Services portfolio

Introduction

O.S. Systems is a Brazilian company that has been on the market since 2002. Since 2006 we've been focusing the embedded systems market with great success. We've been developing solid and reliable solutions for customers all around the world.

In 2008 we started using OpenEmbedded for the development of ours and customers products. We've been working with Yocto Project since its conception and we have been an [Yocto Project Participant Organization](#) since 2013.

O.S. Systems values

We care about our customers' satisfaction, since we believe our success depends on our customers'.

Our work is driven by delivering high-quality solutions. We focus on getting things done — and well done.

O.S. Systems's Yocto Project commitment

O.S. Systems is deeply involved on the development of Yocto Project and its components. It has been an [Yocto Project Participant Organization](#) since 2013. Along with the day-by-day contributions to the active development process as part of the community of users and developers, we maintain the following public layers for **Yocto Project**:

- [meta-fsl-arm](#): support for Freescale's ARM platforms (Freescale's reference boards)
- [meta-fsl-arm-extra](#): support for Freescale's ARM based platforms (vendor boards based on Freescale's ARM processors)
- [meta-browser](#): support for popular web browsers like Firefox and Chromium
- [meta-qt5](#): support for the Qt5 framework
- [meta-java](#): support for the Java programming language and tooling (virtual machines, compilers, libraries etc.)

Besides the public contributions to the Free and Open source world, O.S. Systems has been on the market providing high quality services to its customers all around the world since 2002.

What O.S. Systems provides to customers

O.S. Systems has been using Yocto Project since its very beginning. In fact, even before it existed, when we used one of its core components: OpenEmbedded. Those many years of experience with Yocto Project lead us to develop infrastructure, tools and processes that significantly improve the quality of Yocto Project-based projects in many aspects:

Organization

We provide well established infrastructure and workflows for development processes. Along the years of experience at developing solutions for embedded system projects based on OpenEmbedded and Yocto Project, we've developed flexible and effective infrastructure and processes to drive the development of products in organized and efficient ways.

Traceability

Checkpoints at products development life cycle are crucial. Being able to release stable versions and track down problems require a very well organized structure, specially when dealing with hundreds of repositories, which is the case of the development of Yocto Project-based products. We've developed tools and processes to allow you to reliably release and trace product releases.

Risk reduction

Our work is based on well known and consistent components. We are experts on Yocto Project, which is the de facto standard for the development of embedded systems. It has been progressively being adopted by many of the major players in the embedded systems industry. Yocto Project is very actively developed, well documented, publicly available, and provides many features that we can just reuse and adapt to our needs.

Tooling

We've developed specialized tools that dramatically boost the productivity when working with the Yocto Project-based infrastructure we've adopted. We use these tools on a daily basis to develop products we are involved with, and we share these tools with our customers, so they can also have the productivity boost our tooling provides.

Continuous and agile development

We provide a solid infrastructure for the development of Yocto Project-based projects, including git-based [version control system](#) with code review features, [continuous integration system](#) and a web tool for [interacting with the O.S. Systems team](#).

The [documentation section](#) of O.S. Systems' web site has a glimpse of what we provide to our customers.

O.S. Systems is very flexible with regard to the level of engagement to customers' products development. We are able to help on many areas, such as, but not limited to:

- BSP development
- Cross compilation consultancy
- Migration from other build systems to the Yocto Project
- Commercial support for the Yocto Project
- Embedded systems development consultancy

