

E-Commerce Store

Store Development, Maintenance and Support

Client: Enphase Energy

Industry: Micro inverters, Solar panels and Storage

Website: <https://store.enphase.com>

Enphase designs and manufactures software-driven home energy solutions that span solar generation, home energy storage and web-based monitoring and control



BUSINESS CHALLENGE

- Integration with various external systems
- User interface must be adapted to several geographical locations like North American, EMEA & APAC market
- Platform should take into account the local requirements of web services in above regions
- Unique functionality such as customizable catalogs with real-time integration of pricing and promotions
- Payment Gateway integration with multiple payment service providers (Razorpay, Zippay, AfterPay, Stripe 3D, Paypal, Affirm, etc.)
- State-of-the-art checkout process and much more...

OBJECTIVE

To develop a state-of-the-art international multi-currency e-commerce platform for online purchases of products, merchandise and services such as product upgrades, warranty extension, product ownership transfer and labor protection plan

PROJECT SPECS

PROJECT TYPE: Custom Software Dev

TECHNOLOGIES: Magento, PHP, Stripe, Ruby on Rails, jQuery, Bootstrap, MySQL, MongoDB, Angular, ReactJS, NodeJS

SERVICES PROVIDED: Software Development, Application Design, Quality Assurance, Project Management, Business Analysis

TEAM:

Backend Developers,
Frontend Developer,
Designer,
QA Engineers,
Project Manager/ Business Analyst

DURATION: 3+ year

TESTIMONIAL

Riverstone is a professional business partner of exceptional quality. They provided several talents over the course of a few years and each one of them were a great fit for our needs. I would look to Riverstone to raise the bar in any QA organization, no matter how big or small.



Muthu Arumugam
VP of Engineering
Cambridge Blockchain

KEY ACHIEVEMENTS

- eCommerce portals for direct sales
- Legacy Product upgrades
- Customer self-service function like ownership transfer & warranty upgrades
- Geo stores across NA/EMEA/APAC
- Order processing & fulfillment integration
- Overall ~25 person years effort

SOLUTION

- A complete solution to perform all essential ecommerce functions for both users and administrators
- Vendor functionality to create stores, display products, manage catalog, orders, refunds and view analytics
- Buyer functionality to manage account, make purchases of products and services, track order status and request refunds
- Integrating with external system such as customer services portal, legacy upgrade portal, payment gateways, shipping providers etc.
- Store instances for several geographical locations like North American, EMEA & APAC
- Adaptive and responsive UI/UX framework for efficient viewing and paging of products for desktop and mobile platforms

DISTINCTIVE FEATURES

- Catalogs management
- Shipping methods with dynamic rates
- Featured product analytics for sellers
- Multilingual & multi-currency support
- Multi-vendor marketplace
- Stripe Pay & many other payment methods
- Coupon creation
- Single sign-on (SSO)
- Geo-IP store switcher
- Checkout customization
- Refund functionality
- Store credits

RESULT

- Customer's direct-to customer strategy has become a reality
- Increasing online sales revenue significantly from products, merchandise and services
- A flexible, scalable, maintainable system for changing business needs