

EDGEFRONTIER®

Intelligent Integration and Rapid Interface Delivery

SIMPLE, STREAMLINED INTEROPERABILITY

Hexagon US Federal’s EdgeFrontier® is a fresh approach to integration and interface delivery across all industries. This flexible, all-purpose platform makes it easy to connect to external systems, applications, and devices. With EdgeFrontier®, you save the time and cost associated with custom-coded interfaces.

Our point-and-click graphical development environment gives you more flexible integration capabilities than ever before. With EdgeFrontier®, you can extend the capabilities of your Intergraph solutions with multiple interfaces, while remaining within your budget. Our built-in policy engine enables you to quickly customize dynamic, event-driven business rules at any point in the integration workflow using EdgeFrontier®’s Series, Event, and Action components. Live “data watcher windows” increase efficiency and shorten deployment times by letting you remotely watch data transform in real time.

From an installation perspective, EdgeFrontier® is a lightweight service that runs on Microsoft’s Windows operating system machines that support the Microsoft .NET Framework 4.0. The EdgeFrontier® platform enables intelligent interoperability between applications, systems, and devices, including internal products and solutions.

EdgeFrontier® supports a wide range of applications, since most solutions require intelligent integration to internal and external systems. Common use cases include interfaces to solutions for public safety, security, utilities, geospatial, remote monitoring, automation, and more (see Figure 1). EdgeFrontier® enables a consistent, repeatable approach to interface building that shortens timelines and reduces risk while increasing productivity.

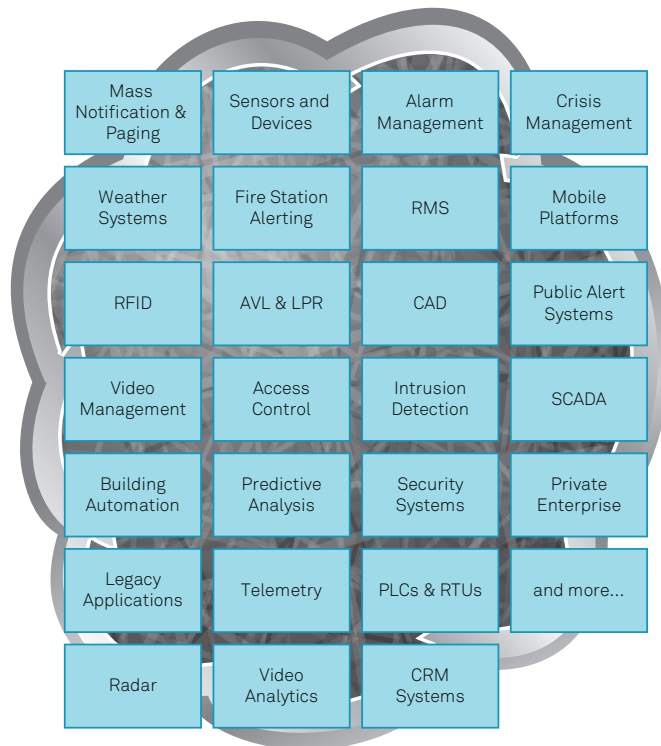
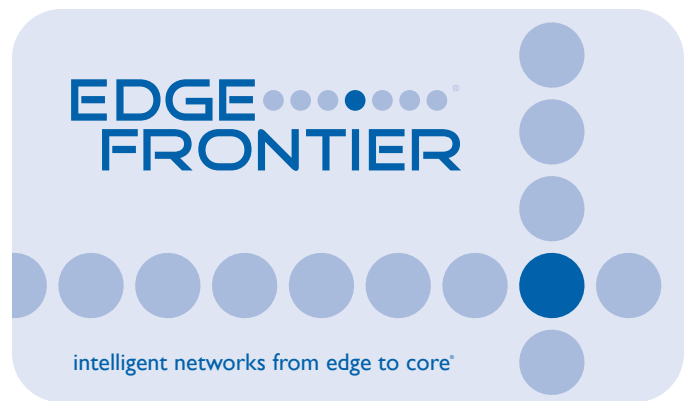
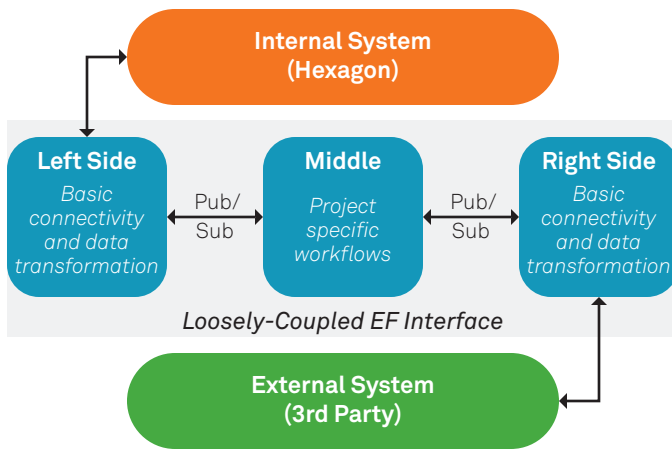


FIGURE 1: INTERFACES BETWEEN SYSTEMS ARE CRITICAL
EdgeFrontier® offers a streamlined approach to intelligent interfaces between systems of every kind to improve efficiency, decision-making, and situational awareness.

INTERFACES: LEFT, RIGHT, AND MIDDLE

In EdgeFrontier®, interfaces can be thought of in three parts: left, right, and middle (see Figure 2). The left represents integration to the Hexagon product, while the right is an interface to an external system. The middle is where you can implement project-specific business rules. Using this approach, interface functionality becomes modular, and so interfaces can be reused for future projects. You can also standardize functionality for new interface products.

EdgeFrontier® maximizes results over the long haul using a loosely-coupled approach to interfaces that maximizes customization and reusability, while enabling easy creation of future interfaces.



Left Side

Internal Interface

- Integration packages available to internal project services teams
- Integration packages are available or planned for most Hexagon products

Middle

Business Rules

- Rapidly configure project-specific business rules
- Leverage event-driven business rules engine to integrate workflows
- Enable maximum customization and flexibility to respond to ad-hoc requirements

Right Side

External Interface

- Project service interface to external systems developed in EdgeFrontier
- Reusable, easy to maintain interfaces
- Scalable external interfaces

FIGURE 2: LOWERING TOTAL COST OF INTERFACE OWNERSHIP

Loosely coupled interfaces help maximize customization and reusability. EdgeFrontier® saves time and money by simplifying interface development and allowing interface reuse.

CAPABILITIES OVERVIEW

- Support for a wide array of interfacing needs, regardless of interface type or industry
- Unique approach that simplifies and speeds up data integration
- Development of interfaces in minutes/hours/days, instead of weeks/months
- No-code solution to an otherwise expensive, code-intensive process
- Unique component-driven model and live “data watcher windows”
- Virtually unlimited uses across multiple industries

BENEFITS

- **Reduced Project Risk** – Flexibility to respond quickly to ad hoc interface requirements removes obstacles to successful implementation
- **Lower Total Cost of Ownership for Interfaces** – Streamlined implementation times and easy upgrades lower your total IT cost
- **Scalable Platform for Future Integration** – Foundational platform expands as your needs grow, avoiding the expense of software replacement
- **Maximum Customization** – Rapid configuration of robust business rules fits neatly into your enterprise workflow

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About Hexagon US Federal

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