

Solution Brief

# Composable Applications for 5G Networks

We simplify the development, deployment, orchestration and management of Private 5G solutions in a SaaS model.





HyperBlox provides a comprehensive solution tailored for diverse industry verticals, covering 5G connectivity, application development, and seamless AI integration. Our platform empowers IoT networks with AI/ML, optimizing data processing and analysis for heightened efficiency and enabling autonomous decision-making capabilities



# What is the HyperBlox Framework?

The HyperBlox Framework is a development and deployment methodology that empowers users of any programming backgrounds to easily create IoT and sensor-fusion applications. By automating IoT solutions using AI/ML algorithms, we enable users to streamline their processes, reduce complexity, and achieve tailored solutions aligned with their unique business needs. With a core focus on universal connectivity, our framework ensures effortless deployment of these solutions across private networks, offering users unparalleled ease and efficiency.



## Development Framework



### App Builder

The HyperBlox App Builder creates custom apps within a low environment to design, automate, and optimize your use cases.



### AI Integration

We enhance apps with AI/ML modules and pre-built workflows for advanced data analytics and autonomous decision making



### Marketplace

We certify and release new apps to your marketplace to enable you to deliver applications at scale



### Any Infrastructure

We provide seamless orchestration across all infrastructures (Bare-metal, VMs, Containers) and locations (on-premise, Edge, Cloud)



### Controller

Our SaaS-based lifecycle management simplifies operations and improves observability resulting in faster time-to-service outputs



### Runtime

We provide infrastructure independent environments to run your apps in any location (on-premise, edge, cloud) in conjunction with your needs



# Modernize with HyperBlox

The HyperBlox solution helps you build applications using an agile, repeatable and reliable low-code model-driven-development methodology in a few weeks. The HyperBlox App Builder simplifies the user experience and optimizes applications for Edge deployment.



## Connectivity Suite

Off-the-shelf Network Functions for universal connectivity across Wired and Wireless (5G/LTE/Wi-Fi) access



## Application Suite

Custom-built Edge applications for solving business critical problems in the IoT and Sensor-fusion domains.



## AI/ML Integration

Rapid implementation with off-the-shelf AI modules or custom-built AI services tailored to customer needs.

## Our Single Click Solution

HyperBlox streamlines delivery of connectivity and application services through a single-click interface, providing a secure and scalable delivery model. Powered by AI-driven automation, our deployment framework simplifies operations, fostering innovation agility, and delivering significant cost savings for businesses.



## Why Do You Need HyperBlox?

The HyperBlox solution helps you build applications using an agile, repeatable and reliable low-code model-driven-development methodology in a few weeks. The HyperBlox App Builder simplifies the user experience and optimizes applications for Edge deployment.



Accelerate your time-to-market



Simplify your solution delivery process



Boost your agility to implement enhancements



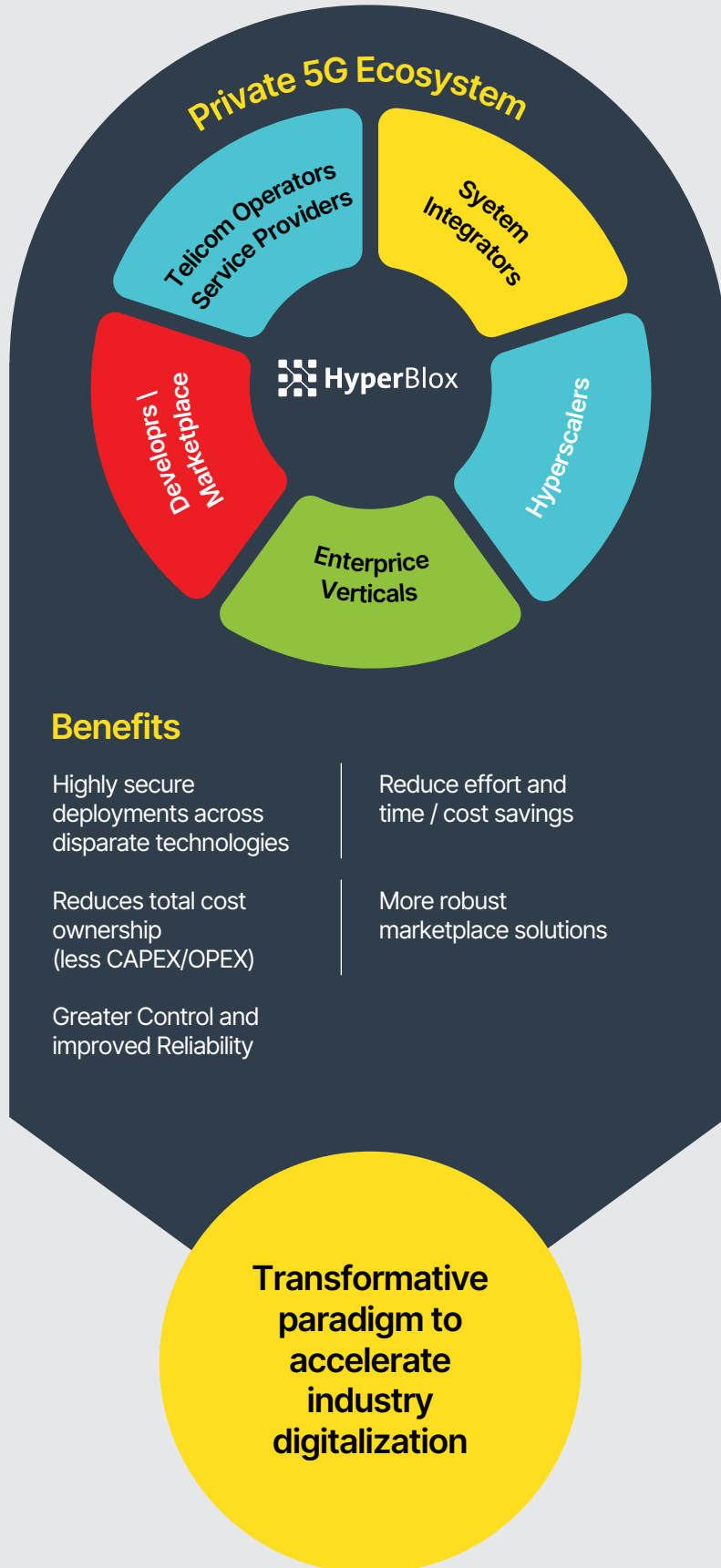
Enhance your operational efficiency

## Our Vision for Democratized Development & Deployment

We make software development and deployment accessible to a broader audience, beyond just skilled developers or IT professionals. It involves providing tools, platforms, and methodologies that enable individuals with varying levels of technical expertise to participate in the creation and deployment of software solutions. This approach aims to empower a wider range of stakeholders, such as business users, analysts, and domain experts, to contribute to the development process, thereby democratizing access to technology and fostering innovation.



# How We Work with You



We work with you based on your unique role and responsibilities. We typically are aligned to the telecom operators, service providers, system integrators, hyperscalers, enterprise verticals, and developers across the marketplace.



## Develop

HyperBlox partners with your team to create custom applications designed to meet your unique needs

Reduce development time by

**80%**



## Deploy

HyperBlox simplifies your deployment to any infrastructure and location across a secure connectivity network.

Reduce development time by

**90%**



## Monitor

HyperBlox simplifies your deployment to any infrastructure and location across a secure connectivity network.

Reduce development time by

**50%**

# HyperBlox's Five-Step Approach to IoT and Sensor-Fusion Application Development

At HyperBlox, we've crafted a comprehensive five-step approach to guide you through the development, validation, deployment, integration, and scaling of IoT and sensor-fusion applications.



## Develop

Develop IoT and sensor-fusion applications using HyperBlox App Builder. We will help you design, model and visualize your use case in a sandbox environment.

## Validate

Use the automation capabilities within the HyperBlox App Builder to deploy the application in a test environment. Use the automation capabilities to generate synthetic data and validate your application. Iteratively develop and validate.

## Run

Prepare the infrastructure and deploy your application in a live environment. Connect your IoT devices over a 5G network and start collecting and analyzing data. Visualize and analyze your data using in-built views.

## Integrate

Enhance your Apps by integrating with an AI/ML pipeline supported within our development and deployment framework. This will allow your data to be analyzed and understood for autonomous decision making. The AI/ML models are continuously learnt and updated within the framework.

## Scale

Easily expand your deployment footprint to support millions of devices connected over multiple locations. Simplify IoT operations, user interactions and data analytics at massive scale using our single-pane-of-glass approach with centralized Controller.

## Our Customers & Partners

Our portfolio of customers and partners include niche industry leaders and global stakeholders.

## Our Innovation Across Process and Operations

At HyperBlox, innovation is at the core of everything we do. We start by refining the development processes and then optimize operations to drive sustained growth for your business. By focusing on process efficiency and operational excellence, we aim to revolutionize cost, effort, and time savings for our customers

### Process Efficiency



Process efficiency is a scaling and continual focus with our partners and customers. Our model-driven development is custom-scoped to your needs for quick custom B2B solutions. Being able to respond quickly to changes in customer needs is essential to improve business outcomes.

### Operational Excellence



Operational excellence is critical in bringing improvements to attain a competitive edge. Our framework for developing and delivering 5G IoT solutions can create value by bringing complete operational visibility, assuring application performance, and maximizing employee productivity.



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