



# Anterix<sup>®</sup> Catalyx<sup>®</sup>

## A turnkey solution for connectivity management, delivering resiliency and control required for grid modernization

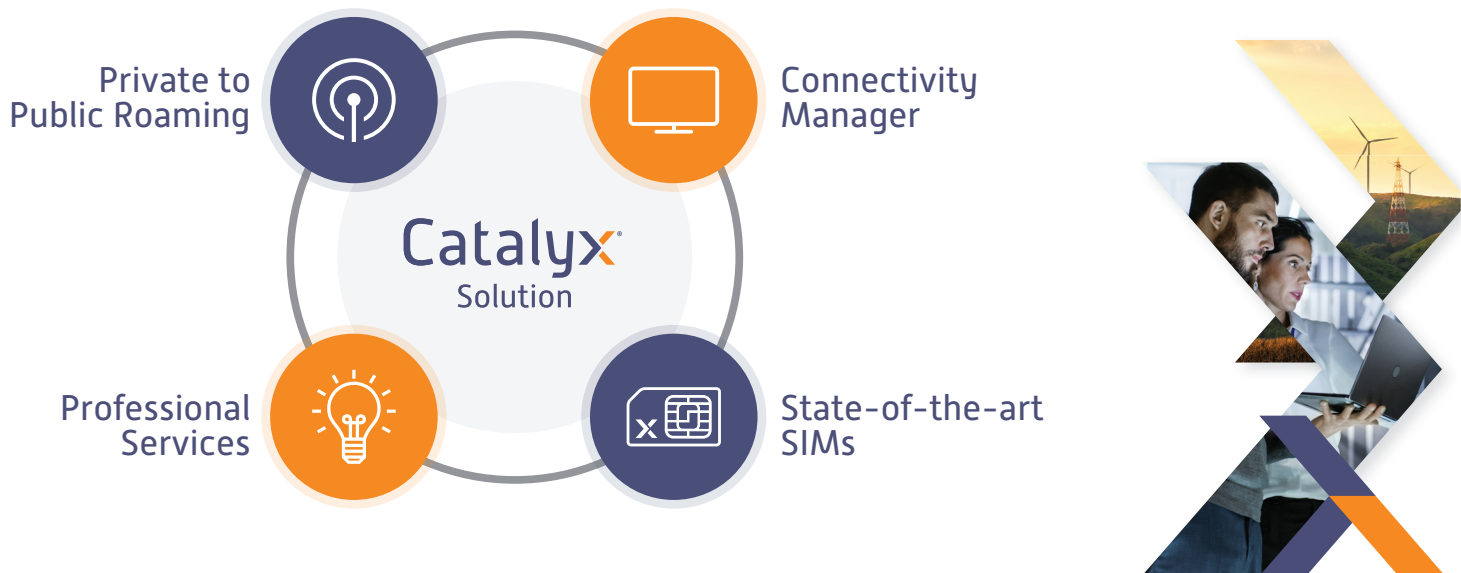
Catalyx, the first Anterix Active Ecosystem Platform commercial offer, is a turnkey connectivity management solution that helps utilities realize the benefits of 900 MHz private LTE networks, while leveraging commercial broadband. Catalyx simplifies connectivity management by integrating state-of-the-art SIM technology, device SIM management, and private to public roaming to deliver the flexibility and security that utilities require.

Utilities can now efficiently and securely deploy and manage smart grid devices on a 900 MHz private LTE network while optimizing broadband coverage in their service territories. Through a single dashboard, Catalyx provides the control and visibility of devices for utilities, whether they are connected to a private or public radio access network.

With Catalyx, utilities can manage each device SIM remotely, which can reduce operational costs and risks. Utilities can achieve available coverage at service locations, by connecting to the 900 MHz private LTE network, and roaming on multiple carrier commercial networks.

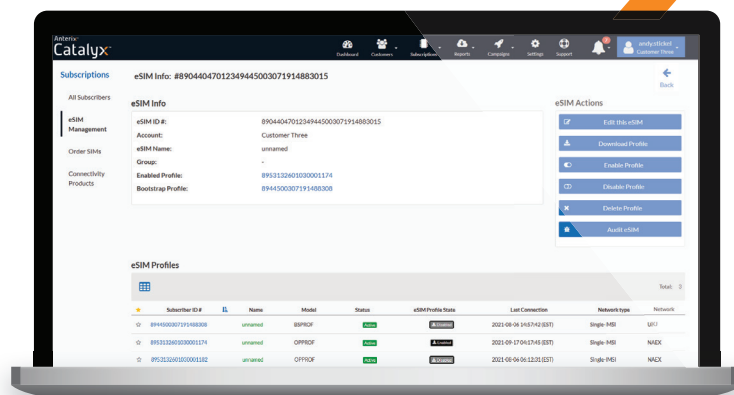
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CatalyX can support utilities in their 900 MHz private LTE journey by accelerating onboarding of devices during the deployment of the network, extending the private network coverage in gap areas, and providing back-up connectivity during private network downtime. From their 900 MHz private LTE network, utilities can seamlessly connect devices to commercial networks for primary coverage, or as a fallback, helping them achieve the network coverage and resiliency that is required for mission critical grid applications.



## CatalyX Overview

- Private to Public Roaming:** Augments a 900 MHz private LTE network with the capability to roam on multiple carrier networks—delivering available commercial connectivity across a utility service area. Provides broadband connectivity during the buildout of private coverage, extends the private network where utility has coverage gaps, and delivers a fallback solution, helping to ensure the network resiliency that is required for mission critical grid applications.
- Connectivity Manager:** Provides a complete cloud-based solution for the lifecycle management of private SIMs. Through a single web-based portal, utilities can streamline operations by managing and monitoring device connectivity, subscriber access, billing, dynamically creating and remotely updating profiles, and utilizing dashboards for reporting and APIs for bulk transactions.



*The Anterix CatalyX Connectivity Manager web-based portal interface makes SIM management simple and secure.*

- State-of-the-art SIMs:** Provides physical SIMs, including eSIMs.
- Professional Services:** Leverages Anterix expertise to deliver a fully integrated solution with utilities IT and network environments. The Anterix Active Ecosystem Program supports the testing and integration of 900 MHz compatible devices for deployment of utility private broadband.

## Solution Benefits for Utilities:

- ✓ Supports immediate deployment of devices on private networks that use commercial coverage until the 900 MHz private LTE network is built out
- ✓ Streamlines operations with its Cloud-based solution that activates and remotely provisions devices, manages subscriber access, authentication, and configuration
- ✓ Simplifies management with its web-based dashboards and reporting portal and APIs for bulk transactions and integration
- ✓ Supports zero touch transition from public to private coverage with state-of-the-art SIM technology, connecting devices to commercial coverage first and private LTE coverage when ready
- ✓ Eliminates the need for truck roll for device reconfiguration with the added benefit of redundant connectivity for the life of the asset
- ✓ Extends current device investment avoiding early replacements
- ✓ Provides access to available commercial connections across utility service areas, enabling customized roaming plans—ability to change cellular provider over the lifecycle of the device without changing physical SIM
- ✓ Enables seamless evolution to 900 MHz private LTE, providing a private core that connects to commercial RAN with easy transition to utility owned private core and RAN
- ✓ Accelerates 900 MHz private LTE network and device deployments, simplifying transition and helping to mitigate cost and risks
- ✓ Employs multiple layers of security at every level of the solution including device endpoints, network, and platform
- ✓ Supported by a robust ecosystem of approved 900 MHz devices, and professional services to guide stems integration, and device testing and integration

### Flexible Solution Packages

CatalyX solutions provide the flexibility to meet utility needs at any point in the 900 MHz private LTE journey. Utilities that have not yet started to deploy private LTE can select the premium package that enables a secure, scalable, fully managed private LTE core network. Utilities that already have deployed private LTE core networks can select the basic or plus packages.

*Pay as you go or data pool bundles are offered to minimize OPEX and provide pricing flexibility and predictability.*

### Basic Package

Customer Stage

Customer has PLTE Core

Package Components

Connectivity Manager  
+Private SIMs

### Plus Package

Customer Stage

Customer has PLTE Core

Package Components

Connectivity Manager  
+Private SIMs  
+Roaming agreement

### Premium Package

Customer Stage

Customer does not have PLTE Core

Package Components

Connectivity Manager  
+Private SIMs  
+Roaming agreement  
+Core Network