

*Customer Case Study*



*How Eclypses™ MicroTokenization®  
Secured Archethought.*



*Though it can not be seen or touched, it surrounds us in our daily lives. Digital data is in constant transit flying throughout our air.*

*Securing that data should not be a hassle.*





# Customer

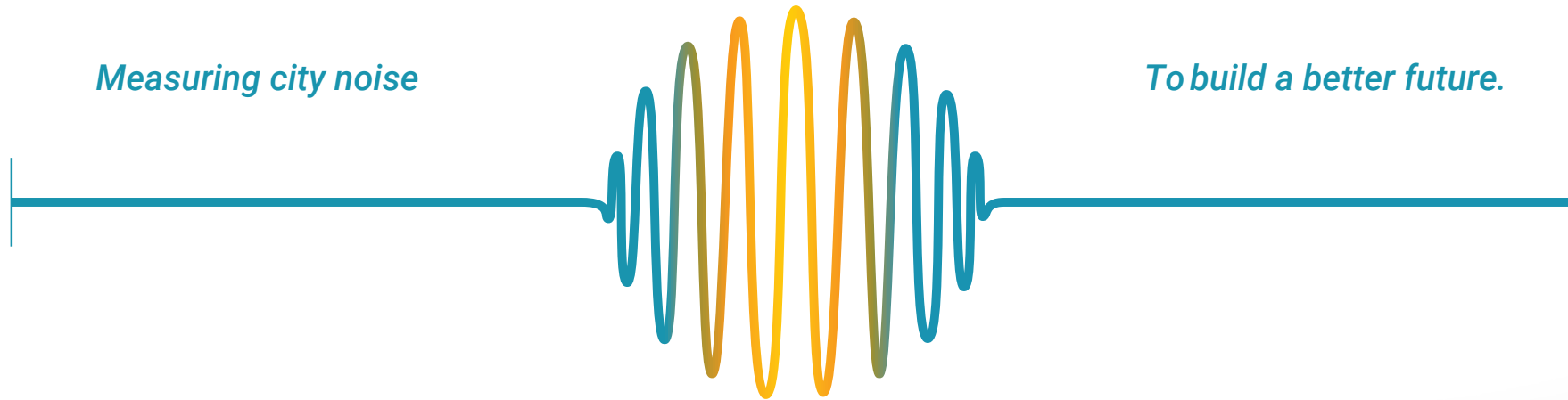
Case Study



*Archethought faced tough choices after learning their IoT components were vulnerable to hackers.*

Despite their components having newer encryption software, it was leaked in the press that hackers already discovered a method to breach and access the data. Archethought was in a position to either order all new components with the latest encryption software, or hire encryption specialists to fix what they had.

Archethought learned about an alternative method that eliminates the data transmitted, MicroTokenization® by Eclypses. The solution gave them a new choice, updatable software.



## *Archethought business:*

Archethought designs IoT tools to capture actual sound levels within a city, providing communities a way to design smarter infrastructures to enhance culture.



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Watch an overview of how Archethought utilizes the Eclipses system, with Archethought CEO Dixon Dick. Learn how MicroTokenization<sup>®</sup> was the answer for their IoT products.

## *Why minimum power maximized Archethought's IoT products.*

Security requires power, an often overlooked IoT design constraint. Encryption especially relies on repeatedly making unbreakable puzzles, and this takes CPU power. CPU makers add encryption hardware, but this can be broken by hackers,

potentially rendering useless thousands of deployed devices. The Eclipses solution uses less power and importantly, can be updated in the field. Lower power extends battery life and usability and increases competitive position.

# *Low latency provided the speed Archethought needed.*

Low latency allowed Archethought's IoT sensor system to push data to customers faster and smoother while using less bandwidth. An example can be compared to a video call. Lower latency helps a video call to be smooth, instead of choppy and jerky. Not to be confused with bandwidth,

which allows a video call to be clear, instead of blocky. Archethought's IoT products needed to be clear, without being choppy. Their customers benefited with improved fidelity to make better informed decisions from the data.



## *Ease of mind.*

Encryption methods pose difficult challenges to execute well. This may not be efficient for those seeking security solutions. These challenges include **cost, level of security** and **ease of use**.

Eclipses provides a solution that solves all three challenges:

- 1 A low deployment cost due to its easy implementation,**
- 2 security that exceeds post quantum cryptography,**
- 3 & minimal training required to use with rapid time to deploy.**

Archethought addressed their vulnerabilities of a potential man-in-the-middle attack with Eclipses MTE technology. An affordable and elegant solution that will scale with Archethought's rapid IoT deployments.

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## Summary

*“Eclipses offered us an alternative to the costly route of becoming security experts just to participate in the IoT revolution. We’re seizing this opportunity to use our resources to do what we do best.”*

*- Dixon Dick  
CEO of Archethought*





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*Ensure your sensitive data remains out of unwanted hands.*



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