

BITTIUM VETURI PROGRAM ►

# *RF ECO<sup>3</sup> - Benefits from Leading Company perspective!*

4<sup>th</sup> RF SUMMIT FINLAND

10.03.2026

*Jari Jauhainen*

BUSINESS  
FINLAND

**Bittium**

## **RF ECO<sup>3</sup> context**

RF ECO<sup>3</sup> Focused on Economical and Ecological RF Ecosystem

Targeted 5G-Advanced and 6G-era RF challenges

Strongly anchored in digitalization of RF development, including digital twins for RF system simulation

## **Strengthened ecosystem leadership role**

Part of both Nokia and Bittium Veturi ecosystems

Actively co-created with universities, research institutes and industry partners

## **Digitalization of RF improves product development efficiency**

Digital twins for RF system-level simulation – a challenging development target

Reduced physical prototyping cycles and test overhead

## Benefits for Bittium ecosystem program

RF ECO<sup>3</sup> ecosystem established and linked to Bittium Veturi ecosystems

Core technical pillar of the Bittium Veturi ecosystem

A hard RF foundation

Coverage of physical-layer and hardware efficiency, complementing security, encryption and E2E architectures

## Enables secure, energy-efficient future networks

Creating foundation for more energy-efficient and predictable RF Systems

Improves system-level modelling, which is critical for secure and resilient architectures

## RF ECO<sup>3</sup> has important role in Veturi Ecosystems

Offers a scalable, energy-efficient and digitally driven RF foundation for 5G-Advanced and 6G-era RF challenges

It delivers measurable export growth, stronger ecosystem leadership and long-term product competitiveness.

# RF ECO<sup>3</sup>

## Research Goals

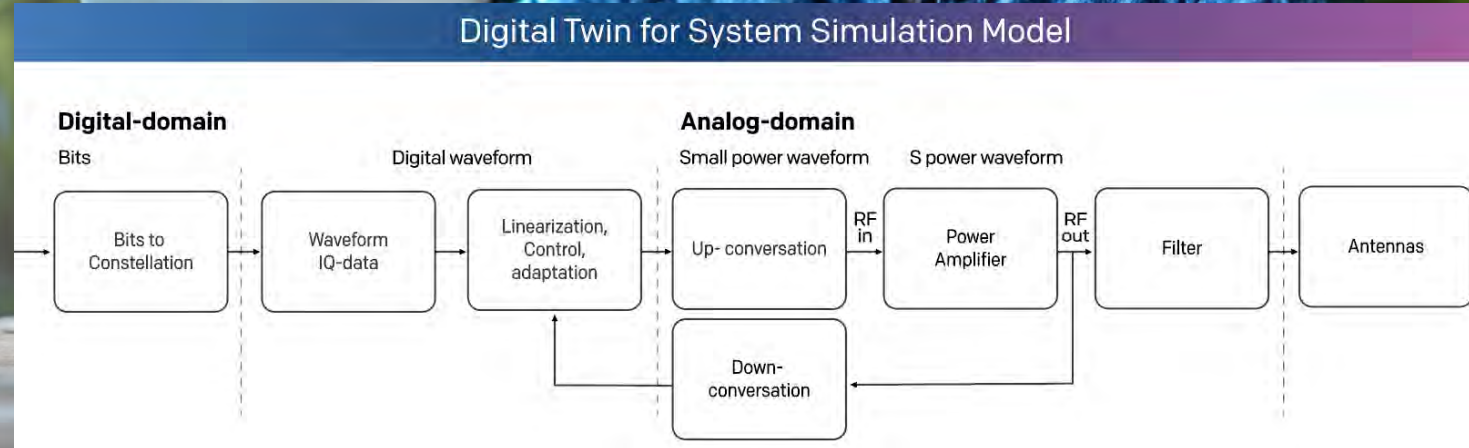
Research and apply modern RF simulations, modeling and testing methods for improving R&D effectiveness and energy efficiency.

## Targeted Results

Improve R&D productivity, energy efficiency and competitiveness within industry 5G and beyond RF generations by exploiting more efficient methods and procedures.

## Co-creation

Develop modern methods in co-operations with research and industry partners.



# Thank You!

*Welcome to discuss with Seamless and Secure Connectivity Ecosystem!*

<https://www.bittium.com/about-bittium/technology-innovation/seamless-and-secure-connectivity-program/>

*Contact:*

[veturi.ecosystem@bittium.com](mailto:veturi.ecosystem@bittium.com)

# Bittium