

# Verity One Launches Nutrient Credits Initiative to Restore Coastal Waters

*A groundbreaking collaboration using AI, Blockchain, IoT, and the Oyster Pearl Token to tackle pollution and promote marine ecosystem restoration.*

DUBAI, UNITED ARAB EMIRATES, January 18, 2025 /EINPresswire.com/ -- Verity One Ltd., a global innovator in environmental technology, has partnered with Dubai-based Verity One Eco AI Blockchain Solutions FZE (known as "Verity ONE") to introduce a transformative initiative. The organizations are launching Nutrient Credits as a revolutionary asset class designed to combat pollution in coastal waters, foster global sustainability, and promote marine ecosystem restoration.

The initiative establishes a new paradigm for environmental accountability, combining cutting-edge technology and verifiable science to deliver measurable ecological outcomes.

## Dubai: The Ideal Launchpad for Innovation

Dubai's reputation for rapid innovation, entrepreneurial spirit, and world-class infrastructure makes it the perfect hub for this initiative. Historically connected to oysters and pearls, the UAE's legacy aligns seamlessly with Verity One's mission to restore marine ecosystems while addressing modern environmental challenges.

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Let's not just ask what the world can do for us but what we can do for the world”

ADAM REISER

"Dubai is more than just a city—it's a global symbol of progress. By launching this initiative here, we are

leveraging Dubai's unique position as a bridge between tradition and innovation," said Adam Reiser, CEO and Founder of Verity One Ltd.



This partnership reflects a shared vision of sustainability and innovation, offering solutions that combine modern technology with cultural and environmental heritage.

Technological Breakthroughs: AI, Blockchain, and IoT

At the core of this initiative is a seamless integration of AI, Blockchain, IoT devices, and the proprietary Oyster Pearl Token, delivering unparalleled transparency, traceability, and accountability.

#### Key Platforms and Tools:

Blockchain Technologies: Platforms such as XRP, POL, Solana, Hyperledger, and IBM Blockchain provide a secure and scalable foundation for data storage and verification.

Uphold Integration: Ensures self- and hosted custody of Pearl Assets, providing secure asset management solutions.

IoT Devices: Real-time sensors monitor environmental metrics, including water quality, salinity, nutrient levels, and microplastic concentrations. This data is securely stored on an immutable blockchain for transparency.

"Pollution is no longer free. It's time to clean up the mess you've made," stated Reiser. This bold vision highlights the initiative's focus on holding polluters accountable while enabling them to offset their ecological footprint.

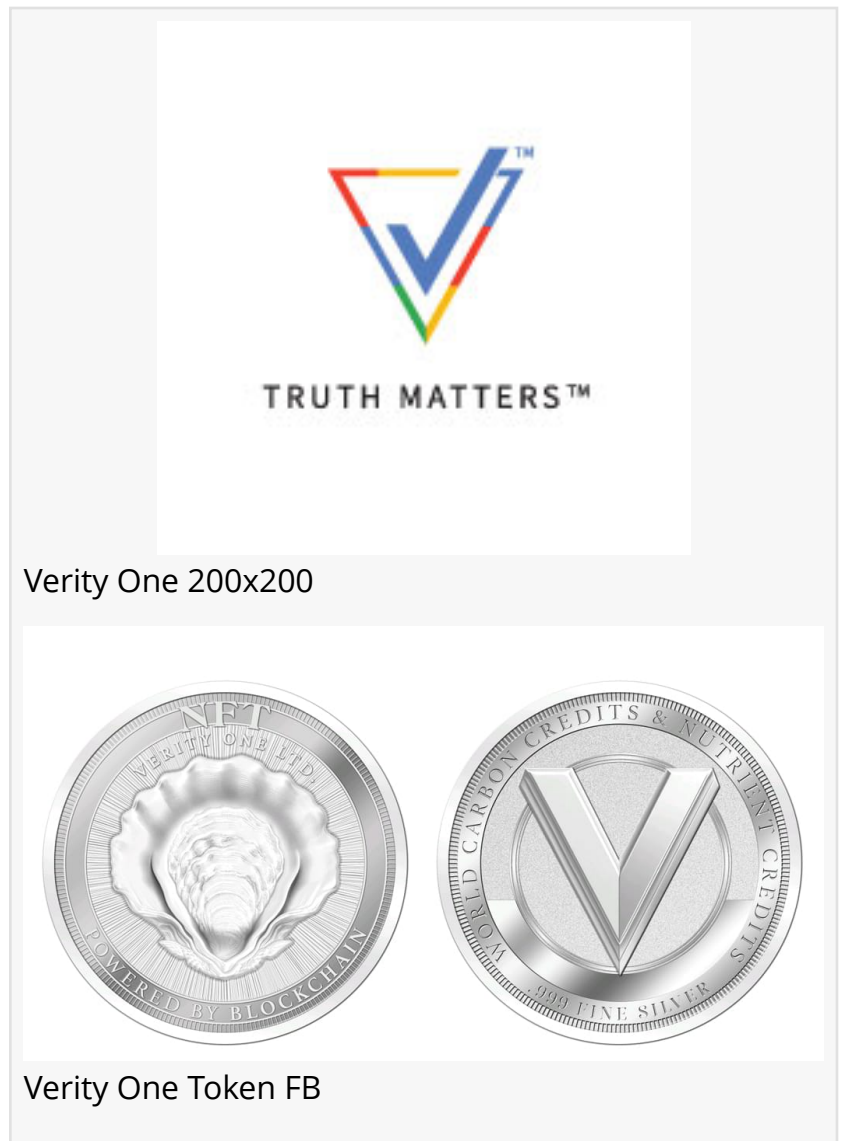
#### What Are Nutrient Credits?

Nutrient Credits represent a groundbreaking approach to addressing pollution. By monetizing the environmental benefits of oyster restoration, these credits provide industries, municipalities, and stakeholders with a tangible way to mitigate their environmental impact.

How the System Works:

Oyster Deployment: Specially designed oyster beds are installed in polluted waters, where oysters act as biofilters, removing pollutants such as nitrogen, phosphorus, and microplastics while improving water quality.

Data Collection: IoT devices collect real-time data on water quality and tidal flow parameters.



Verity One 200x200

Verity One Token FB

This data is securely recorded on blockchain technology for verification and analysis.

Credit Issuance: Nutrient Credits are issued based on measurable improvements, each representing quantifiable ecological benefits.

Accountability and Trade: Credits are tradeable, enabling polluters to offset their footprint transparently. Surrendered or expired credits are permanently recorded, ensuring accountability.

"Nutrient Credits are more than an environmental solution—they are an economic innovation bridging technology and nature to create sustainable value," explained Reiser.

### Secure Custody of Pearl Assets

A defining feature of the initiative is the integration of self- and hosted custody solutions, enabling stakeholders to manage their Pearl Assets securely. Hosted by Uphold, this system offers seamless interaction with IoT data and provides stakeholders with up-to-date insights into their environmental contributions.

Key metrics tracked include:

Water quality improvements

Salinity and nutrient levels

Microplastic reductions

The combination of real-time data, blockchain transparency, and user-friendly asset management tools ensures trust and engagement from all stakeholders.

### The Oyster Pearl Token: Transforming Accountability

Central to this initiative is the Oyster Pearl Token, a blockchain-based digital currency that facilitates transactions and incentivizes environmental restoration. Each token is tied to measurable ecological outcomes, ensuring every action taken is verifiable, impactful, and transparent.

The token system also integrates seamlessly with Nutrient Credits, creating a cohesive accountability and environmental restoration ecosystem.

### A Global Stage: Unveiling at DAVOS 2025

The Nutrient Credits Initiative will be officially unveiled at DAVOS 2025, offering a global platform to showcase its potential for redefining environmental accountability. The presentation will highlight the initiative's ability to scale globally while delivering verifiable results through advanced technology.

"DAVOS 2025 is the perfect venue to demonstrate how technology can drive collaboration and inspire global solutions to our ecological challenges," said Reiser.

### Impact and Environmental Benefits

The environmental impact of this initiative cannot be overstated. Each oyster deployed

contributes to improved water quality, reduced pollutants, and restored marine biodiversity. Over an 18-month cycle:

A rack of 10,000 oysters can filter between 270 million and 702 million gallons of water.

Nutrient Credits quantify and monetize these ecological benefits, making them accessible to industries and governments worldwide.

This measurable impact ensures that every participant—whether an industry leader, a municipality, or an individual—directly contributes to a healthier planet.

#### A Call to Action

Verity One Ltd. and Verity ONE Dubai call on governments, industries, and individuals to join this revolutionary initiative.

"Together, we are taking the first bold step toward leaving the earth cleaner and better than we found it," said Reiser.

The Nutrient Credits Initiative represents a critical shift in how environmental accountability is approached, offering scalable solutions to one of the most pressing challenges of our time.

#### About Verity One Ltd.

Verity One Ltd. is a global pioneer in environmental innovation, specializing in blockchain-based solutions to address ecological challenges. The Nutrient Credits Initiative bridges technology and nature to deliver tangible, measurable impacts while fostering stakeholder transparency and trust.

#### About Verity One Eco AI Blockchain Solutions FZE

Based in Dubai, Verity One Eco AI Blockchain Solutions FZE leverages advanced AI and blockchain technologies to tackle critical environmental issues. Its mission is restoring marine ecosystems and driving global sustainability through cutting-edge solutions.

Visit Verity One Online:

[Verity One Website](#)

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– Adam Reiser, CEO & Founder, Verity One Ltd.

Adam Reiser

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