CORPORATE OVERVIEW — SEPTEMBER 2026

Corporate Overview

BriteMinds Global Technologies Inc. • Calgary, Alberta

The Story

An independent Alberta researcher spent years applying pure mathematics and physics to the problem of machine intelligence — producing 835+ original discoveries, a 20-paper publication series establishing a new field of study (Epistemic Dynamics), and the declaration of a new category of intelligence infrastructure (Deterministic Zero-Trust).

Pulse is the empirical evidence that the research is correct: a unified workspace replacing 106+ software tools with one 2 MB physics kernel. 15 domains, 63 capabilities, one deterministic core — live, running, and shipping.

Corporate Structure

BriteMinds Global Technologies Inc.

PARENT ENTITY — RESEARCH & DEVELOPMENT THINK TANK

BriteMinds Global Technologies is the R&D think tank behind the mathematical discovery that led to the creation of Pulse — the world's first unified deterministic workspace. BriteMinds holds all patents and intellectual property, conducts foundational research grounded in the constant, immovable forces of mathematics and physics, and continues development of next-generation deterministic kernel technology.

- 835+ original mathematical and physical discoveries
- 20-paper publication series (Epistemic Dynamics)
- Additional held-for-patent papers
- Classified trade secrets
- Domains: reactor physics, topology, membrane dynamics, field theory, annihilation mechanics, thermodynamics, cryptographic isolation, epistemic classification
- All research hashed, versioned, archived with priority dates

Founded 2025. Calgary, Alberta, Canada.

DTOS

THE DETERMINISTIC INTELLIGENCE COMPANY — PUBLIC-FACING PRODUCT ENTITY

DTOS is positioned as the category leader in Deterministic Zero-Trust intelligence — the public face of Pulse. DTOS delivers the unified workspace to enterprises and individuals where truth is not optional: 15 domains replacing 106+ tools, all governed by one physics kernel.

Pulse (Unified Deterministic Workspace)

THE PRODUCT — THE EMPIRICAL PROOF

The world's first unified deterministic workspace. A 2 MB Rust kernel powering 15 domains and 63 capabilities, replacing 106+ software tools. 36.7M verifications per second. Zero hallucination by architecture. The kernel’s 2 MB footprint and zero-dependency architecture make it a direct candidate for silicon embedding — software today, hardware tomorrow. Consumer and enterprise access at dtospulse.com.

Pulse is not the thesis — it is the proof that the thesis is correct.

The Category

Deterministic Zero-Trust — a new class of intelligence infrastructure in which all outputs are mathematically governed, execution environments are sealed against external contamination, and truth is verified — not inferred — before delivery.

This is not an improvement to existing AI. It is the foundational layer that AI has been missing.

The Field

Epistemic Dynamics — the formal science of how knowledge systems achieve deterministic verification at scale.

How truth propagates, how contradiction annihilates, how confidence converges — all governed by physics, not heuristics. Established through a 20-paper publication series by David W. Taylor.

Beyond Software

The kernel's 2 MB footprint, zero dependencies, and deterministic physics make it a direct candidate for silicon embedding. Software today. Hardware tomorrow. Same mathematics, same IP.

HARDWARE VERTICALS

Kernel-on-Chip	ASIC/FPGA embedding — deterministic edge intelligence for autonomous, medical, defence, IoT
Voice Prosthetics	Physics-derived speech synthesis — natural voice restoration on-device, no neural networks
Hearing Prosthetics	Cochlear waveguide processing — physics-based hearing aid technology on a chip
Quantum Readiness	Geometry-native architecture positions for quantum computing hardware

The Founder

David W. Taylor

FOUNDER & LEAD ARCHITECT

Independent researcher and sole architect of the DTOS platform: mathematical kernel, verification physics, convergence engine, sovereign runtime, and the Epistemic Dynamics research series.

Built entirely from pure mathematics and physics — no engineering heuristics. Self-funded. No venture capital. No research team.

Domains

PLATFORM & ENTERPRISE

dtospulse.com	DeeCi platform & app access
dtospulse.com/architecture	Category announcement & enterprise
invest.dtospulse.com/press-kit	Press & media package

Contact

David W. Taylor — Founder & Lead Architect, BriteMinds Global Technologies Inc.
Phone: 403-585-4452
david@dtospulse.com
Calgary, Alberta, Canada

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