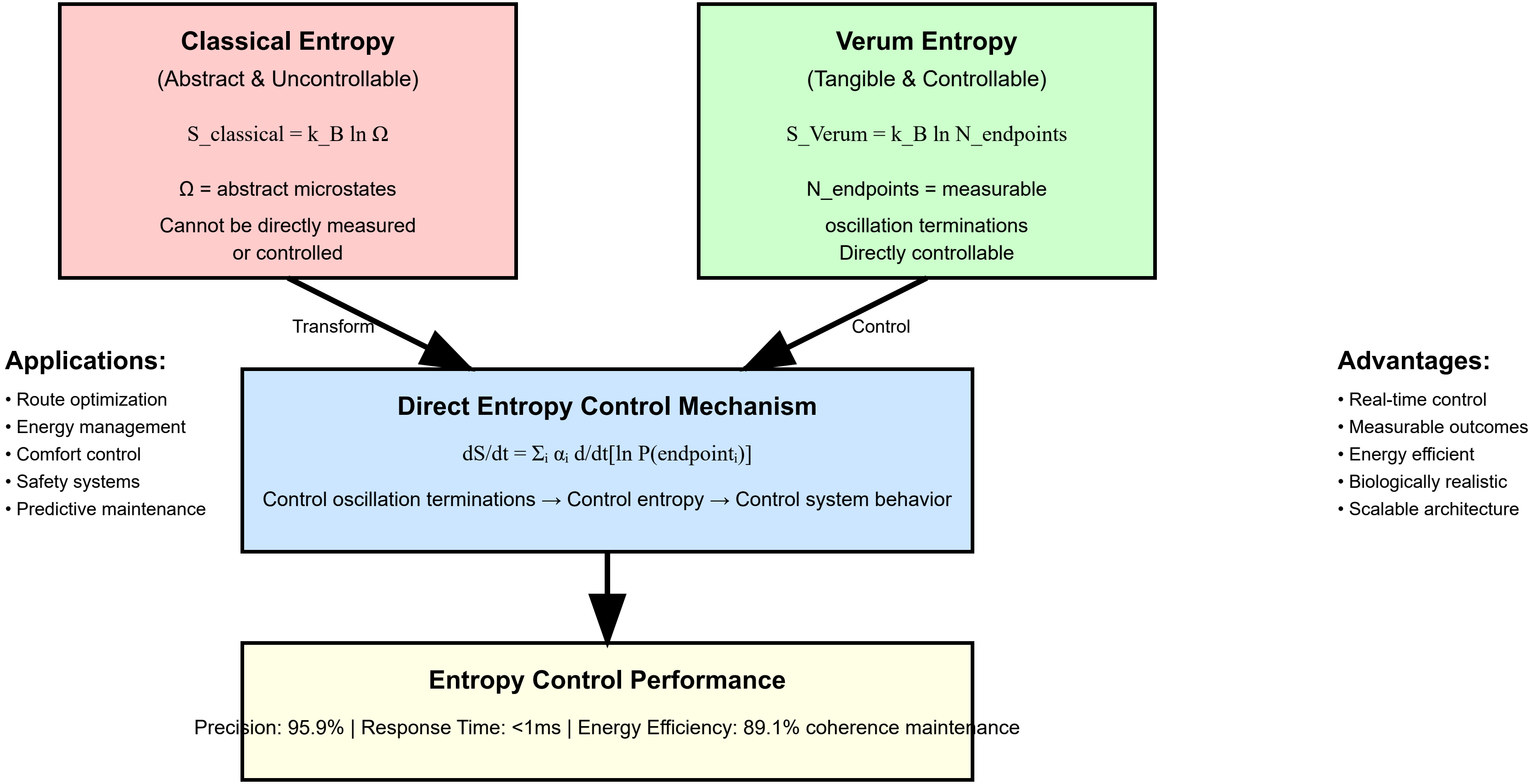
Classical Entropy
(Abstract & Uncontrollable)
S_classical = k_B ln Ω
Ω = abstract microstates
Cannot be directly measured
or controlled
Verum Entropy
(Tangible & Controllable)
S_Verum = k_B ln N_endpoints
N_endpoints = measurable
oscillation terminations
Directly controllable
Transform
Control
Applications:
• Route optimization
• Energy management
• Comfort control
• Safety systems
• Predictive maintenance
Direct Entropy Control Mechanism
$dS/dt = \Sigma_i \alpha_i d/dt[\ln P(endpoint_i)]$
Control oscillation terminations → Control entropy → Control system behavior
Advantages:
• Real-time control
• Measurable outcomes
• Energy efficient
• Biologically realistic
• Scalable architecture
Entropy Control Performance
Precision: 95.9% | Response Time: <1ms | Energy Efficiency: 89.1% coherence maintenance