



Ronald
Howard



Ronald Howard Biography

Born: 1962, Viña del Mar, Chile

Occupation: Maritime and Resource Strategist, PHAXSIS Consortium

Ronald Howard is a distinguished maritime and resource strategist whose visionary leadership at the PHAXSIS Consortium has positioned Chile as a global leader in sustainable blue and space economies. With Chile's vast 4 million square kilometers of ocean territory—one of the world's largest exclusive economic zones—Howard harnesses his expertise in maritime commerce, mining, and renewable energy to pioneer integrated models for deepwater mining and strategic metals critical for space technologies.

Early Life and Influences

Raised in a family with a strong naval legacy, with both his father and grandfather serving as Chilean Navy officers, Howard developed a deep affinity for the ocean. This foundation shaped his career, driving his commitment to leveraging marine resources for economic and environmental innovation.

Career

With a 40-year career spanning maritime commerce, commodity trading, and resource development, Howard has held high-impact roles in shipping and trading firms under GAFTA and FOSFA standards. A graduate of the Escuela de Negocios at Universidad Técnica Federico Santa María (ENV-UTFSM), he has managed multimillion-dollar trade contracts and bolstered Chile's fishing sector exports. His international experience includes:

- **Singapore (1988–1989):** As a seafood broker, enhancing his global seafood market expertise.
- **South Africa (1985):** As an AIESEC student with an audit consulting firm, honing his financial and operational skills.

These roles built a robust global network across Asia, Africa, and the Americas, enabling PHAXSIS to forge strategic partnerships that amplify Chile's role in emerging economies.

Leadership at PHAXSIS

As a key architect at PHAXSIS, Howard drives initiatives that leverage Chile's ocean resources to support the burgeoning space resources industry. His focus on deepwater mining of polymetallic nodules—rich in nickel, cobalt, and manganese—addresses the demand for materials essential for advanced batteries and space infrastructure. Over the past decade, he has spearheaded mining and photovoltaic projects in northern Chile (Illapel, 4,800 hectares) and Argentina (La Rioja, 29,000 hectares), aligning with PHAXSIS's commitment to environmental stewardship.

Howard's vision integrates Chile's Atacama Desert and coastal regions as potential hubs for space missions, linking marine-derived resources to asteroid mining under frameworks like the Artemis Accords. His strategic foresight positions Chile as a pioneer in bridging ocean and space economies, fostering sustainable innovation on a global scale.