



ENERGY

10MW OCEAN THERMAL ENERGY CONVERSION (OTEC) FOR MALE' CITY



MINISTRY OF ECONOMIC
DEVELOPMENT & TRADE



INVEST
MALDIVES

10MW Ocean Thermal Energy Conversion Project for Male' City

Pioneer the Future of Ocean Energy: A USD 100 Million Investment to Lead Global OTEC Technology Development

Visionary investors have an unprecedented opportunity to partner with the Ministry of Tourism and Environment in developing the world's first commercial-scale Ocean Thermal Energy Conversion (OTEC) plant. Located in Male' City, this USD 100 million pioneering facility will harness the Maldives' perfect tropical ocean conditions to demonstrate OTEC's commercial viability while establishing your organization as the global leader in ocean energy innovation.'

Project Scope & Components

This pioneering ocean energy initiative establishes Male' City as the global center of excellence for OTEC technology:

- 1. Commercial-Scale OTEC Power Generation**
Development of a state-of-the-art 10MW Ocean Thermal Energy Conversion plant utilizing the Maldives' optimal tropical ocean conditions to generate continuous, baseload renewable energy.
- 2. Advanced Ocean Energy Infrastructure**
Implementation of cutting-edge deep-water intake systems, heat exchangers, and power generation equipment designed specifically for tropical island environments.
- 3. Technology Demonstration & Research Platform**
Creation of a world-class facility that serves as both a commercial power plant and a global research hub for OTEC technology advancement and optimization

The investment framework and financial structure for the project is as below:

Total Investment Opportunity: USD 100 Million

Implementation Timeline: 3-year development and commissioning period

Technology Focus: Commercial-scale Ocean Thermal Energy Conversion

Market Position: First-mover advantage in commercial OTEC development

Why Invest in the Maldives Environment Sector?
Unlock the Untapped Potential of the World's Largest Renewable Energy Source

- 1. World's First Commercial OTEC Leadership**
Lead the development of the most advanced commercial OTEC facility globally, establishing unprecedented technological expertise and market positioning in ocean energy.
- 2. Capital City Strategic Location**
Power the nation's economic and political center, ensuring maximum visibility, government support, and showcase value for international stakeholders and potential clients.
- 3. Baseload Renewable Energy Advantage**
Unlike solar and wind, OTEC provides 24/7 continuous power generation, creating superior grid stability and higher capacity factors for enhanced investment returns.

4. Innovation Hub Development

Establish Male' City as the global center for OTEC research and development, attracting international partnerships, research funding, and technology licensing opportunities. The project creates invaluable intellectual property and operational knowledge that can be monetized through technology licensing, consulting services, and equipment manufacturing for the emerging global OTEC market.

5. Trillion-Dollar Market Entry

Position for early entry into the emerging global ocean energy market, with potential applications across hundreds of tropical island nations and coastal regions worldwide.

Incentives & Support

- Global Technology Leadership:** Establish world-leading expertise in OTEC technology with potential for international licensing and consulting revenues
- Government Partnership Priority:** Direct collaboration with national energy authorities ensures preferential access to future ocean energy development projects
- Import Duty Exemptions:** Substantial cost savings through complete exemption from import duties on specialized OTEC equipment and materials
- Research Collaboration Revenue:** Generate additional income streams through partnerships with international research institutions and technology developers
- Scalable Technology Platform:** Develop proven OTEC systems applicable to thousands of similar tropical locations globally, creating massive scaling opportunities
- Climate Investment Premium:** Access premium ESG funding and institutional investor interest due to innovative ocean energy focus and climate impact

How to Engage

The Ministry of Tourism and Environment invites qualified partners with OTEC expertise, marine engineering capabilities, and the financial capacity to deliver this landmark project. You may present comprehensive proposals detailing your OTEC technology approach, project financing plan, and long-term commercialization strategy.

Contact:

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