



ENERGY

10 MW Ocean Thermal Energy Conversion Project for Male' City



MINISTRY OF
ECONOMIC DEVELOPMENT,
TRANSPORT & TRADE



INVEST
MALDIVES

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

Visionary investors can partner with the Ministry of Tourism and Environment to develop the world's first commercial-scale Ocean Thermal Energy Conversion (OTEC) plant. This USD 100 million facility in Male' City will leverage the Maldives' tropical ocean conditions to demonstrate OTEC's commercial viability and position 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:** World-leading OTEC expertise, with potential for international licensing and consulting revenue
- **Government Partnership Priority:** Direct collaboration with national energy authorities, ensuring preferential access to future ocean energy projects
- **Import Duty Exemptions:** Complete exemption on specialized OTEC equipment and materials, significantly lowering costs
- **Research Collaboration Revenue:** Additional income through partnerships with international research institutions and developers
- **Scalable Technology Platform:** OTEC systems replicable across thousands of similar tropical locations worldwide
- **Climate Investment Premium:** Access to premium ESG and institutional investor funding, driven by climate impact

How to Engage

The Ministry of Climate Change, Environment and Energy invites qualified partners with OTEC expertise, marine engineering capabilities, and financial capacity to deliver this landmark project. Proposals should detail the OTEC technology approach, project financing plan, and long-term commercialization strategy.

Contact:

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