

# International Seabed Authority

14-20 Port Royal Street  
Kingston, Jamaica  
1-876-922-9105

Application

Observer Status

From

American Samoa Economic Development Council

46 RTE 14  
Building 4  
Pago Pago, American Samoa, 96799  
[americansamoedc1@gmail.com](mailto:americansamoedc1@gmail.com)

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Enclosure 1

## A; Information about the organization

### 1; Name of the organization

American Samoa Economic Development Council

### 2; Address of headquarters

46 RTE 14  
Building 4  
Pago Pago, American Samoa 96799

### 3; Address of all branches and/or regional headquarters

None

### 4; Telephone number

684.733.0833

### 5; Fax number

None

### 6; Email Address

[americansamoaedc1@gmail.com](mailto:americansamoaedc1@gmail.com)

### 7; Name, title and contact details of focal point

John Wasko  
Executive Director  
American Samoa Economic Development Council  
684.733.0833  
[americansamoaedc1@gmail.com](mailto:americansamoaedc1@gmail.com)

### 8; Background information on the organization

The American Samoa Economic Development Council (ASEDC) was created in American Samoa as a not-for-profit community organization in 2019.

The purpose of ASEDC is to develop and nurture economic growth in American Samoa and the greater Asia Pacific - Pacific Island nations through advocacy, corporate involvement, policy,

traditional wisdom, and workforce capacity. More specifically ASEDG is committed to building an Asia Pacific centrum for seabed critical mineral receiving, assay, refining and electric vehicle battery manufacturing.

ASEDC's voluntary nine member seabed mineral advisory committee includes a broad range of private sector experience, governmental authority and specialized knowledge in law, finance, broadband communications, public information, engineering, environmentalism and community participation.

9; Is the organization a member of, affiliated or otherwise associated with another organization that has been granted observer status with the Authority.

No

10; Is the organization affiliated to consultants of the Authority, contractors with the Authority, entities in connection with Law of the Sea, the offshore and deep-sea mining industry, research institutes or the mineral marketing and processing industry

No

11; Relationships with intergovernmental organizations.

Three ASEDG committee members are fully employed by the American Samoa Government.;

1; Mitzi Ta'ase - Legislative Counsel. Former Attorney General

2; Levi Reese - Deputy Treasurer, American Samoa Department of Treasury

3; Alex Sene - Board Chairman, American Samoa Telecommunications Authority.  
Former CEO, ASTCA

12; List of publications and/or other relevant documentation

## American Samoa Seabed Mining Steering Committee

46 RTE, 14, Building 4  
Pago Pago, American Samoa 96799  
1-684-733-0833 [busycorner@gmail.com](mailto:busycorner@gmail.com)

## Members;

Please find the committee members and a brief profile of their qualifications

Agnes Polu	General Manager National Pacific Insurance 6 years Independent insurance provider owner
Mitzi Ta'ase	Senior Legislative Counsel, American Samoa Fono Attorney General, American Samoa BYU law school
Carl Sene	Chief Technology Officer, American Samoa Telecommunications Authority BS, Electrical Engineering, San Diego State University
Alex Sene	CEO American Samoa Telecommunications Authority CEO, Interisland Airline Board Chairperson, ASTCA Electrical Engineering, University of Southern California
John Wasko	Executive Director, American Samoa Economic Development Council, Publications Manager; Starkist Samoa, American Samoa Power Authority , American Samoa Telecommunications Authority. Owner, Calumet Industrial Services BA, Indiana University
Levi Reese.	Deputy Director. Treasury, American Samoa Government American Samoa Community College
Moeroa Hardman	Community Member
Will Spitzenberg	CEO Piao Engineering Professional Engineer, Civil, Environmental, BS, Brigham Young University

ASEDC ; Articles of Incorporation

Articles of Incorporation  
Of  
American Samoa Economic Development Council

RECORDED IN Corporations  
VOLUME C-19 PAGE 235  
DATE Feb. 9, 2019  
HR 8:30am  
*[Signature]*  
TERRITORIAL REGISTRAR  
AMERICAN SAMOA GOVERNMENT

ARTICLE I  
NAME

The name of the corporation is the AMERICAN SAMOA ECONOMIC DEVELOPMENT COUNCIL hereinafter the Council

ARTICLE II  
PERIOD OF DURATION

The period of duration of the Council shall be perpetual commencing from the time these Articles are approved by the Governor of American Samoa pursuant to A.S.C.A Title 30.

ARTICLE III  
PURPOSES

The purposes for which the Council is organized are as follows:

- (a) To preserve the beneficial role of private enterprise in the community.
- (b) To develop new and existing business revenue in American Samoa
- (c) To promote civic, social and cultural programs designed to increase the economic well being of the community
- (d) To advise, partner and cooperate with the territorial government on business and economic development matters.
- (e) To advise and assist new and existing businesses on matters of business development.
- (f) The Council shall not in any way support gender, racial, sectarian bias or discrimination of any person or group.
- (g) The general purposes of the Council is to foster community economic development purposes as will qualify it as an exempt organization under Internal Revenue Code section 501(c)3
- (h) No part of the

ASEDC; Employee Identification number

62 G  
CENTER INC  
96799-4099

stant plan information.

REASURY  
19

**IRS** DEPARTMENT OF THE TREASURY  
INTERNAL REVENUE SERVICE  
CINCINNATI OH 45999-0023

Date of this notice: 03-01-2019

Employer Identification Number:  
66-0917941

Form: SS-4

Number of this notice: CP 575 A

AMERICAN SAMOA ECONOMIC COUNCIL  
% CARE OF JOHN WASKO  
4099 NUUULI  
PAGO PAGO, AS 96799

For assistance you may call us at:  
1-800-829-4933

IF YOU WRITE, ATTACH THE  
STUB AT THE END OF THIS NOTICE.

**WE ASSIGNED YOU AN EMPLOYER IDENTIFICATION NUMBER**

Thank you for applying for an Employer Identification Number (EIN). We assigned you EIN 66-0917941. This EIN will identify you, your business accounts, tax returns, and documents, even if you have no employees. Please keep this notice in your permanent records.

When filing tax documents, payments, and related correspondence, it is very important that you use your EIN and complete name and address exactly as shown above. Any variation may cause a delay in processing, result in incorrect information in your account, or even cause you to be assigned more than one EIN. If the information is not correct as shown above, please make the correction using the attached tear off stub and return it to us.

Based on the information received from you or your representative, you must file the following form(s) by the date(s) shown.

Form 1120

04/15/2020

If you have questions about the form(s) or the due date(s) shown, you can call us at the phone number or write to us at the address shown at the top of this notice. If you need help in determining your annual accounting period (tax year), see Publication 538, *Accounting Periods and Methods*.

We assigned you a tax classification based on information obtained from you or your representative. It is not a legal determination of your tax classification, and is not binding on the IRS. If you want a legal determination of your tax classification, you may request a private letter ruling from the IRS under the guidelines in Revenue Procedure 2004-1, 2004-1 I.R.B. 1 (or superseding Revenue Procedure for the year at issue). Note: Certain tax classification elections can be requested by filing Form 8832, *Entity Classification Election*. See Form 8832 and its instructions for additional information.

**IMPORTANT INFORMATION FOR S CORPORATION ELECTION:**

If you intend to elect to file your return as a small business corporation, an election to file a Form 1120-S must be made within certain timeframes and the corporation must meet certain tests. All of this information is included in the instructions for Form 2553, *Election by a Small Business Corporation*.

ASEDC 2022 Tax form

Form 1120

# A. S. Corporation Income Tax Return

OMB No. 1545-0123

2022

Department of the Treasury  
Internal Revenue Service

For calendar year 2022 or tax year beginning January, ending December, 20

See separate instructions

<b>A</b> Check if a - (1) Consolidated return (attach form 851) (2) Personal holding co. (attach Sch. PH) (3) Personal service Corp. (as defined in Temporary Regs. sec. 1.441-4T see instructions)	Use	Name <b>AMERICAN SAMOA ECONOMIC DEV COUNCIL</b>	<b>B</b> Employer identification number <b>66-0917941</b>
	IRS label	Number, street, and room or suite no. (if P.O. box, see page 7 of Instructions.) <b>46 RTE. 14, BLDG. 4</b>	<b>C</b> Date incorporated <b>01-12-2022</b>
	other-wise	City or town, state, and ZIP code <b>PAGO PAGO, AMERICAN SAMOA 96799</b>	<b>D</b> Total assets (See page 5 of instructions)
	type or print		

**E** Check applicable boxes: (1)  Initial return (2)  Final return (3)  Name change  Address change  \$

<b>1a</b> Gross receipts or sales	<b>b</b> Less returns	<b>c</b> Balance	<b>1c</b>
<b>2</b> Cost of goods sold (Schedule A, line 8)			<b>2</b>
<b>3</b> Gross profit. Subtract line 2 from line 1c.			<b>3</b>
<b>4</b> Dividends (Schedule C, line 19)			<b>4</b>
<b>5</b> Interest			<b>5</b>
<b>6</b> Gross rents			<b>6</b>
<b>7</b> Gross royalties			<b>7</b>
<b>8</b> Capital gain net income (attach Schedule D (Form 1120))			<b>8</b>
<b>9</b> Net gain or (loss) from Form 4797, Part II, line 18 (attach Form 4797)			<b>9</b>
<b>10</b> Other income (see page 9 of instructions - attach schedule)			<b>10</b>
<b>11</b> Total income. Add lines 3 through 10			<b>11</b>
<b>12</b> Compensation of officers (Schedule E, line 4)			<b>12</b>
<b>13</b> Salaries and wages (less employment credits)			<b>13c</b>
<b>14</b> Repairs & maintenance			<b>14</b>
<b>15</b> Bad debts			<b>15</b>
<b>16</b> Rents			<b>16</b>
<b>17</b> Taxes and licenses. (BUSINESS LICENSE)			<b>17</b> 150
<b>18</b> Interest			<b>18</b>
<b>19</b> Charitable contributions (see page 11 of instructions for 10% limitation)			<b>19</b>
<b>20</b> Depreciation (attach Form 4562)	<b>20</b>		
<b>21</b> Less depreciation claimed on Schedule A and elsewhere on return	<b>21a</b>		<b>21b</b>
<b>22</b> Depletion			<b>22</b>
<b>23</b> Advertising			<b>23</b>
<b>24</b> Pension, profit-sharing, etc., plans			<b>24</b>
<b>25</b> Employee benefit programs			<b>25</b>
<b>26</b> Other deductions (attach schedule). (Schedule I)			<b>26</b>
<b>27</b> Total deductions. Add lines 12 through 26			<b>27</b> 150
<b>28</b> Taxable income before net operating loss deduction and special deductions. Subtract line 27 from line 11			<b>28</b> (150)
<b>29</b> Less: a Net operating loss (NOL) deduction (see page 13 of instructions)	<b>29a</b>		
b Special deductions (Schedule C, line 20)	<b>29b</b>		<b>29c</b>
<b>30</b> Taxable income. Subtract line 29c from line 28			<b>30</b>
<b>31</b> Total tax (Schedule J, line 11)			<b>31</b>
<b>32</b> Payments: a 2021 overpayment credited to 2022	<b>32a</b>		
b 2022 estimated tax payments	<b>32b</b>		
c Less 2021 refund applied for on Form 4466	<b>32c</b>		
d Balance	<b>32d</b>		
e Tax deposited with Form 7004	<b>32e</b>		
f Credit from regulated investment companies (attach Form 2439)	<b>32f</b>		
g Credit for Federal tax on fuels (attach Form 4136). See instructions	<b>32g</b>		<b>32h</b>
<b>33</b> Estimated tax penalty (see page 14 for instructions). Check if Form 2220 is attached			<b>33</b>
<b>34</b> Tax due. If line 32h is smaller than the total of lines 31 and 33, enter amount owed.			<b>34</b>
<b>35</b> Overpayment. If line 32h is larger than the total of lines 31 and 33, enter amount overpaid			<b>35</b>
<b>36</b> Enter amount of line 35 you want: Credited to 2023 estimated tax			<b>36</b>

COPY

RECEIVED  
TAX OFFICE  
AMERICAN SAMOA GOVERNMENT  
Date: 6/2/23

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than taxpayer) is based on all information of which preparer has any knowledge.

Sign Here	Signature of officer <i>[Signature]</i>	Date 6/2/2023	Title	Preparer's SSN or PTIN P01972926
Paid Preparer's Use Only	Preparer's signature <i>[Signature]</i>	Date 6/1/23	Check if self-employed	Preparer's SSN or PTIN P01972926
	Firm's name ASFIL TAX SERVICES		E. I. No.	66-0933537
	and address P.O. BOX 4626, PAGO PAGO, AMERICAN SAMOA		ZIP code	96799



ASEDC; 2023 Business License

The period of duration of the Council shall be perpetual commencing from the date of its organization.  
Articles are approved by the Governor of American Samoa pursuant to A.S.C.A Title 30.

**American Samoa Government**  
Department of Treasury  
**Business License**



American Samoa Economic Development Council

Fogagogo Village, Pago Pago American Samoa

is hereby licensed to provide  
Economic Development

in accordance with the laws of the American Samoa Government and it does not relieve the licensee from all other lawful requirements applicable to the business activity stated under the above purpose

This license is issued for the period  
January 01, 2023 to December 31, 2023

This license is not transferable and is subject to revocation for cause

Number 01774

  
Treasurer

This License must be displayed in a conspicuous place in the Licensee's place of Business

ASG TR-F-01

ASEDC Corporate Bank Account



Centennial Office Building  
 Village of Utulei  
 PO Box 716  
 Pago Pago, AS 96799  
 Telephone: (684) 633-8143

"The People's Bank"  
 "Faletupe o le A'ani'u"

American Samoa Economic Development Council  
 46 RTE. 14  
 BLDG. 4  
 Pago Pago, American Samoa 96799

ACCOUNT HISTORY

01 1012971 03 Page 1 of 1

05/01/2023 to 06/02/2023

INTEREST RATE	BALANCE	YTD PENALTY INTEREST	YTD INTEREST	
0.0000	372.00	0.00	0.00	
DATE	DESCRIPTION	DEPOSITS	WITHDRAWALS	BALANCE
	Previous Balance			372.00
05/15/2023	Monthly Service Fee		6.00	372.00
Total Number of		0	1	
Total Amounts and Balance			6.00	372.00

American Samoa Environmental Protection Agency, Letter of Support



LEMANU P.S. MAUGA  
Governor

TALAUUEGA E.V. ALE  
Lt. Governor

AMERICAN SAMOA ENVIRONMENTAL PROTECTION AGENCY  
P.O. Box PPA Pago Pago American Samoa 96799  
Phone: 684.633.2304 | www.epa.as.gov

FA'AMAO O. ASALELE JR.  
Director

WILLIAM S. SILI  
Deputy Director

Serial No: 2023-079

April 6, 2023

U.S. Department of Energy  
Office of Energy Efficiency and Renewable Energy (EERE)  
U.S. Government

Subject: **Letter of Support for the American Samoa Economic Development Council's Grant Application for Department of Energy (DOE) Funding Opportunity Announcement (FOA): DE-FOA-0002864 2864-1817: Processing and Recycling Critical Minerals in the South Pacific.**

Dear Office of Energy Efficiency and Renewable Energy.

The American Samoa Environmental Protection Agency (AS-EPA) would like to submit this letter of support regarding the American Samoa Economic Development Council's grant application for the Department of Energy's Funding Opportunity Announcement: **DE-FOA-0002864 2864-1817: Processing and Recycling Critical Minerals in the South Pacific. Specifically, AS-EPA's support for this grant application is in the area of properly recycling Lithium Ion Batteries (LIBs) in American Samoa.**

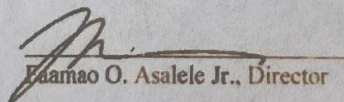
Currently, the AS-EPA manages the Electronic Waste (E-Waste) Recycling program for the Territory to include the recycling of LIBs from numerous electronic devices. This program has been on-going and we are preparing to send out our first E-Waste shipment to a U.S. Certified Recycling Company in the U.S. mainland this year.

AS-EPA wishes to partner with the American Samoa Economic Development Council in ensuring that LIBs and E-Wastes are properly collected, stored and prepared for shipment to a U.S. Certified Recycling company. Thus, this partnership will help protect public health and the environment from the adverse effects of improper disposal of E-Waste in the Territory.

Thank you for the opportunity accorded to us to submit this letter of support on behalf of the American Samoa Economic Development Council's aforementioned grant application.

Please do not hesitate to contact me or William Sili, Deputy Director for any questions that you may have regarding this matter.

Respectively,

  
Faamao O. Asalele Jr., Director

cc: American Samoa Economic Development Council  
AS-EPA Files



Narrative supplement

Part one; Wisdom

Part two; End Game

Wisdom

American Samoa has been the world's largest processor of shelf stable tuna for seventy years.

The skills and knowledge to be a world leader in processing include quality control, supply chain economics, ship maintenance and repair, a reliable skilled workforce, a command of logistics from inventory management, to billing and shipping, plant maintenance and operations oversight.

The United States Geological Survey, after thirty years of seabed survey, has calculated that forty billion tons of seabed minerals lie on the deep ocean floor within a one thousand mile radius of American Samoa.

In concert with economically sustainable and environmentally acceptable extraction methods of seabed minerals from the deep ocean, American Samoa is transitioning from a low wage, low skill, tuna processing industry to a high wage, high skill seabed mineral receiving, value grading, refining and electric vehicle battery manufacturing economy. The economic transformation carries over many existing workforce processing skills such as quality control, ship repair and maintenance, productivity and workforce management just to name a few.

New skills and a new business model will be required to build the turnkey seabed mineral refining and battery manufacturing industry in the South Pacific/Asia Pacific region. Cultural considerations will dictate many employment decisions. Deep water shipping and transfer facilities is a major infrastructure need. Workforce capacity and readiness in higher mathematics and chemistry, nodule refining process, metallurgy research and development and innovative battery technology all require dedicated upgrades and superior design in order to remain competitive in a rapidly evolving industry.

Over the past seventy years of tuna processing, and millennia of interisland Polynesian and Melanesian voyaging before and after pre western contact times, American Samoa has built economic, cultural and intermarriage family ties with our Pacific island neighbors. Seabed mining offers new challenges and new opportunities for smaller and less economically developed neighbors.

Because of her long mercantile history with foreign owners, distant water fishing fleets from Asia and the myriad of suppliers to the tuna processing industry, American Samoa is in a unique leadership position among independent Pacific Island nations.

Quite succinctly, American Samoa has learned how to operate and maintain business and mercantile events in banking, port management, support services, health, education and governmental affairs.

The lessons learned enable American Samoa to be flexible in negotiation and wary at the same time.

Seabed mining presents new challenges to the South Pacific region. We expect profit minded corporations to maximize returns within prescribed parameters. We are also wary of unscrupulous means to achieve those very same returns on investment.

The American Samoa Economic Development Council is in a unique position to advise and collaborate, be an informed advocate, and recommend equitable policy from what best may be called the potential for twenty-first century colonial opportunism.

Sovereign owned natural resources are keys to economic prosperity for many Pacific Island nations; but only if those nations protect their resources from exploitation and abuse.

To this end the business model of the past must change. ASEDG advocates a shareholder equity ownership business model that enables resource rich Pacific Island nations to share corporate profits rather than just collect minimum rent and below market price royalties.

While the shareholder equity based business model may not be agreeable to some mining companies, others will embrace fair and honest returns with their Pacific partners.

This is the South Pacific/Asia Pacific voice that the American Samoa Economic Development Council brings to the International Seabed Authority as an observer and contributor of ideas and policies.

Finally, it is worth noting that 99.9% of climate warming carbon pollution is generated in the northern hemisphere. It is, then, somewhat ironic that South Pacific and equatorial Pacific resources are the likely solution to northern hemisphere decarbonization and climate warming remediation.

We in the South Pacific are open minded, and at the same time wary, of corporations and nations offering advice, and often criticism, of the manner in which South Pacific nations choose to manage the resources they own. Ultimately the fact remains that the South Pacific holds the solutions to the global threatening problems created by our northern neighbors.

## End Game

Seabed mineral resources are finite and non-renewable. The calculus of those values challenges the Authority to set limits on extraction. The end game of those calculations is the actual amount of seabed minerals necessary to energize the auto industry and allied clean electric battery power consumers for years in the future or until scientific breakthroughs offer alternate renewable and cost effective energy solutions.

Battery minerals are recyclable. This fact is determinative of the total amount of minerals necessary to create a totally recyclable energy quotient. ASEDG proposes an immediate estimate of total energy needs up to the year 2050.

The resultant value provides a roadmap for ISA to gauge mineral extraction rates, areas of extraction and extraction licenses to mining industry entities demonstrating environmental precautions, extraction efficiencies, vertical industrial processing and manufacturing capacity, ethical business best practices and an achievable endgame calculation of mining quantities.

Concisely, ASEDG is constructed to develop a beginning to end plan policy to build and sustain a circular regenerative economy for the green energy industry.

13; Briefly outline how your organization intends to demonstrate its interest in matters under consideration by the Assembly, including answering questions 14 to 17 and by providing any other relevant information related to the application for observer status.

American Samoa Economic Development Council members' long time relationship with our Pacific Island neighbors, through professional, business, cultural, family, religious and civic events, is the foundation for policy consensus building and unified agreements within the Pacific Island block of independent nations. The millenia old Pacific tradition of problem solving and consensus delivers to the assembly and its members a unified voice. This unified voice, it must be considered, rises from centuries of traditional narrative and oratory. Great wisdom over the management of resources is a major aspect of Pacific cultures dependent on harvesting and managing life giving natural resources, their abundance and scarcity, which support cultures indigenous to the land and sea.

ASDEC brings perspective and tradition to modern global environmental needs and scientific seabed mineral mining advances specific to the activities of the assembly.

14; Briefly outline whether and how the purposes or activities of the organization relate to the work of the organization.

Corporations and nations are currently involved in the energy transition race from fossil fuel to renewable battery energy. ASDEC's observations note that the South Pacific independent nation owners of the nodule energy producing minerals, are largely vacant from an independent observer voice in the assembly. The South Pacific/Asia Pacific voice needs to be heard. Generational wisdom and modern business acumen, both important elements of Pacific decision and policy making, often overspoken by industrial giants, diminishes the relevance and economic impact of the sovereign owners of seabed critical minerals.

ASEDC fully recognizes the need for clean energy and an environmentally sound circular economy. The Pacific voice addresses two specific tasks before the assembly; environmental and mercantile extraction of seabed minerals and Two; the undisputed fact that the Pacific Island nations are most vulnerable to past climate warming fossil fuel energy generation.

If Pacific islands are both at environmental risk from climate warming and, at the same time, the owners of the clean energy solution, it goes without saying, the assembly has an inherent obligation to provide those nations a seat at the observer table.

15; Briefly outline whether and how your organization intends to contribute to the work of the authority, for example by providing specialized information, advice or expertise, or by identifying or helping to procure the services of experts or consultants.

A major goal of ASEDG is to develop seabed nodule refining and battery research and development to students from Pacific nations. The Pacific experience has been that foreign experts have dominated high wage and high technical skill with little or no technology transfer to local students, interns and apprentices. ASDEC will reverse that ill conceived economic history.

The results of foreign expertise have been both beneficial and disastrous. Lower wage level jobs are preserved. High wage jobs and high technology skills have been deprived. Local management, decision and policy making, are in the hands of foreign entities.

ASEDC recognizes some skills must be imported such as nodule process refining, the chemistry skills of battery design and manufacturing for example. We are prepared to joint partnerships for those skills with shareholder equity shared between the principals.

In short, Pacific Island nations are entitled to own the ways and means of a vertical clean energy economy based on the natural resources available to them.

ASEDC has created local partnerships with the National University of Samoa, The University of the South Pacific, Pioa Engineering and Kim Math Academy to train and nurture future highly skilled technicians, engineers and managers from neighboring Pacific Islands.

Workforce Capacity Plan, Timetable and Budget

<https://docs.google.com/presentation/d/179Ga6hFiLI6B7KgUmvuz7wjvf8jc9hPb-PAhFCmTdE0/edit?usp=sharing>



**American Samoa Economic Development Council**

# Workforce Capacity

Seabed Mineral Refining and EV Battery Manufacturing

---

Students, Interns, Instructors, Consultant,  
Finder's Fee, Management, Indirect Costs, Travel,  
Overhead, Construction, Equipment, Consumables, Training  
3 Year Budget

## Overview

Seabed mineral refining and Electric Vehicle battery manufacturing require teams of professional engineers, skilled technicians and experienced managers.

The ASEDC Workforce Capacity project follows a systematic timeline of student foundation, internship, apprentice, hands on education and operational skills.

ASEDC Workplace Capacity is conducted by a team of professional educators, experienced engineers and management staff.

The result is a team of skilled professional employees prepared to operate and manage financially sustainable critical mineral and battery manufacturing plants.

## Students, Curriculum and Staffing

Personnel	Year 1	Year 2	Year 3	Year 4
Students	Grade 9-12. Foundation courses in math, chemistry, physics, environment, laboratory and process. Internship			
Interns	University Graduates; Chemistry, Math, Physics, Engineering; Work/Study, Pilot/Simulation,			Apprentice
Instructors	Graduate Engineers, Graduate Educators; Math, Environmental, Chemistry, Physics, Process, Engineering			
Consultant	Industry Professional, Advanced Degree; Seabed Nodule Refining Process knowledge, Operations Experience			

### 3 Year Budget (page 1 of 3)

Activity	Year 1	Year 2	Year 3	Year 4
Students (25)	\$ 30,000	\$ 30,000	\$30,000	Intern
Interns (10@ \$20K)	\$ 200,000	\$ 200,000	\$200,000	Employed
Instructors				
Pioa Engineering	\$ 200,000	\$ 200,000	\$ 200,000	Employed
Kim Math Academy	\$ 250,000	\$ 250,000	\$ 250,000	Employed
NUS	\$ 400,000	\$ 400,000	\$ 400,000	Employed
Consultant	\$ 500,000	\$ 500,000	\$ 500,000	Employed
Learning Center				
Construction	\$ 300,000			
Equipment	\$ 150,000	\$ 150,000	\$ 250,000	
Material	\$ 50,000	\$ 100,000	\$ 150,000	
Software	\$ 50,000	\$ 35,000	\$ 35,000	

### 3 Year Budget ( page 2 of 3 )

Activity	Year 1	Year 2	Year 3	Year 4
<b>Management</b>				
Project Director	\$ 200,000	\$ 200,000	\$ 200,000	Employed
HR/Data Mgt.	\$ 150,000	\$ 150,000	\$ 150,000	Employed
Financial Mgt.	\$ 100,000	\$ 100,000	\$ 100,000	Employed
<b>Overhead</b>				
Utility	\$ 30,000	\$ 60,000	\$ 200,000	
Maintenance	\$ 20,000	\$ 25,000	\$ 30,000	
Legal	\$ 30,000	\$ 30,000	\$ 35,000	
Rent	\$ 60,000			
<b>Indirect Costs</b>				
Employee Tax	\$ 100,000	\$ 100,000	\$100,000	
FICA (SS)	\$ 175,000	\$ 175,000	\$ 175,000	
Employee Ins.	\$ 50,000	\$ 50,000	\$ 50,000	

### 3 Year Budget ( page 3 of 3 )

Subtotal	Year 1	Year 2	Year 3
	\$ 3,265,000	\$ 2,840,000	\$ 3,265,000
<b>Three Year Total</b>	\$ 9,370,000		

## Executive Summary

At the successful completion of the four year training time frame, ten students, six instructors, three managers and one consultant will be fully qualified with academic and hands on laboratory experience to participate as employed professionals in the construction and operation of a turn key critical mineral refining and battery manufacturing plant.

Over the next four year time frame, twenty-five high school students will begin university studies.

The second generation.

16; Briefly outline whether and how your organization has the expertise and the capacity to contribute, within its field of competence, to the work of the Authority, in particular in connection with the Law of the Sea, the protection of the marine environment, the offshore and deep sea mining industry, technology, minerals processing and marketing, activities in the Area and marine scientific research in the area.

ASEDC is a collaboration of specialists in law, finance, environment, engineering, business, media and community. Currently the seabed mineral industry is disjointed. Supply chains are undetermined, nodule refining is, as of yet, an imprecise science, extraction of minerals is in its infancy. There are many pieces of the critical mineral puzzle yet to be fit together.

ASDEC has taken a comprehensive turnkey refining and manufacturing schematic approach to solve these issues. Quality control is the major theme coursing through the ASEDC proposal. Quality Control is also the main concern of the tuna processing industry, a process we know well.

In order for the work of the Authority to be effective, knowledge, advice and counsel to licensed entities should define a specific and comprehensive plan from the licensing body. Unregulated and unplanned licensing up and down the value chain may lead to an industry controlled only by

the richest and most powerful entities sometimes unfit and unprepared to solve and maintain the unpredictable uncertainties they will certainly face.

ASEDC is building the plan based on our past experience, lessons learned, successes and failures and successful marketing of seafood products agreeable to consumers. The same policy can, and should, be applied to the end result of seabed mining.

While the example presented is centric to the United States, it follows an industry pattern that maximizes supply chain efficiency, quality control and ultimately, financial success.

ASEDC expects to advise and counsel the Authority on the structure and infrastructure of the emerging circular economy.

# American Samoa

## **Seabed Polymetallic Nodule Minerals**

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**Refinery, Battery Production, Research and Development**

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**Indo Pacific/Asia Pacific**

# Development Overview

The United States Geological Survey estimates from scientific studies that 40 billion tons of polymetallic seabed minerals lie on the ocean floor within a 1,000 mile radius of American Samoa.

The American Samoa Economic Development Council, a not for profit community economic development corporate entity, has created the working plans, timeline and budget to transition American Samoa as the United State's secure and sustainable source for national defense and commercial electric vehicle (EV) battery products.

The plan includes infrastructure construction, workforce readiness, renewable energy, refinery and battery manufacturing capacity.

## Ship Maintenance and Repair

Pago Pago Harbor

Lower Extension:

Floating Dry Dock  
Machine, Fitting, Welding

Upper Extension

Support Shops,  
Mineral Stockpile



# Refining and Battery Manufacturing

Fagatele Harbor

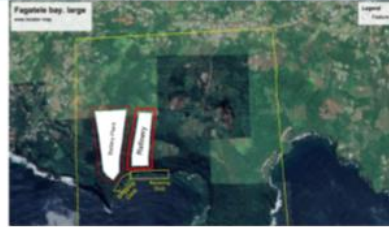
## Docking

Mineral Receiving,  
Battery Export



## Land Use

Refinery,  
Battery production  
Stockpiling



## Enabling Legislation

### **White House; Presidential Determination**

<https://www.whitehouse.gov/briefing-room/presidential-actions/2023/03/27/memorandum-on-presidential-determination-pursuant-to-section-303-of-the-defense-production-act-of-1950-as-amended-on-printed-circuit-boards-and-advanced-packaging-production-capability/>

**International Seabed Authority; Organizational Framework** <https://www.isa.org/jm/organs/>

### **United State Department of Energy; Transition to Clean Energy.**

<https://www.energy.gov/lpo/articles/lpo-tech-talk-energy-storage>

### **U.S. Congress, H.R. 1689; Enables seabed mining in US territories**

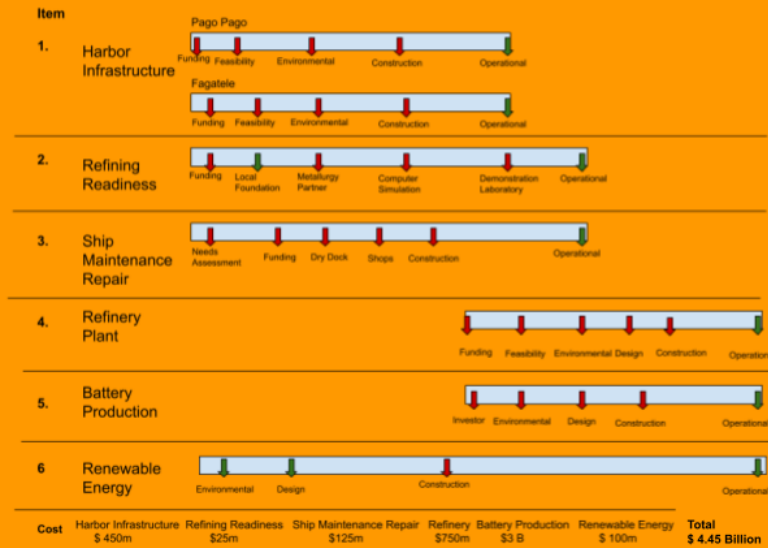
<https://www.congress.gov/bill/117th-congress/house-bill/1689>

### **U.S. Congress; US Defense Authorization Act;**

<https://www.congress.gov/bill/118th-congress/house-bill/2670>

# Preliminary 5 Year Budget

ASEDC Seabed Mining Project Timeframe, Milestones and Budget



## Funding Sources

Harbor Infrastructure	Federal; Defense Production Act
Readiness	Federal; Workforce Development
Ship Maintenance And Repair	Federal; Defense Authorization Act
Refinery Plant	Private/Federal; Public Private Equity
Battery Plant	Private/Federal; Public Private Equity
Renewable Energy	Private/Federal; Public Private Equity



## Executive Summary

American Samoa is a safe and secure territory of the United States.

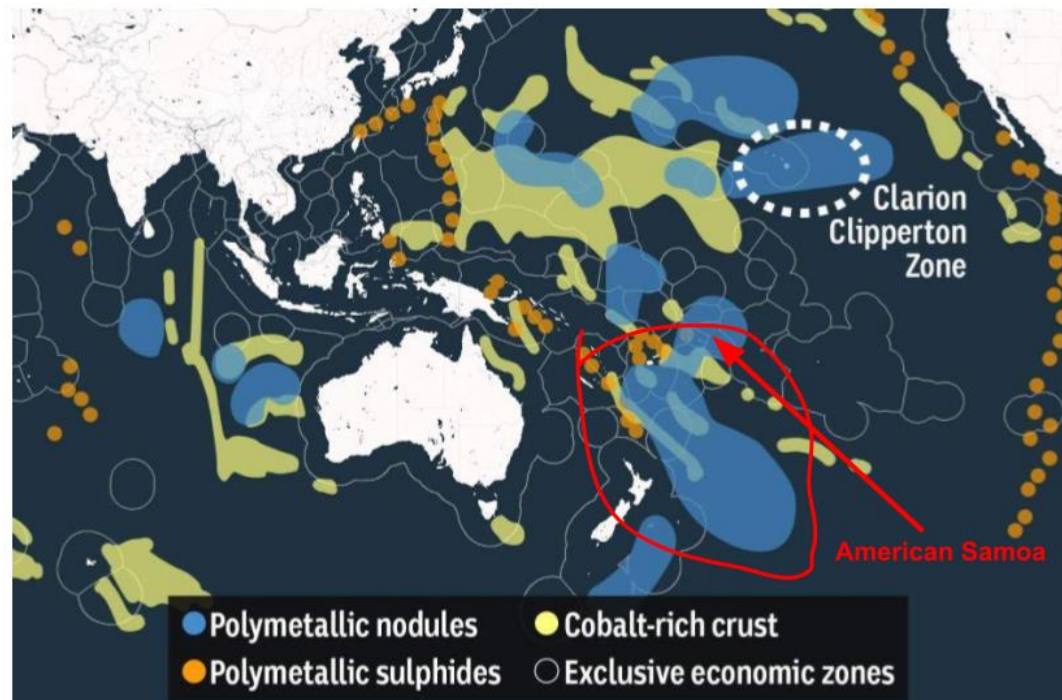
The critical minerals necessary to assure America's national security and private enterprise competitiveness are within a 1,000 mile radius of Pago Pago Harbor, one of the world's greatest natural deep water harbors.

American Samoa's existing infrastructure, 70 year industrial processing experience and existing workforce capacity makes the transition to clean energy production immediate and financially sustainable.

As a clean energy production hub, American Samoa becomes the Indo/Pacific and Asia/Pacific leader in product quality control, decarbonization technology and climate warming remediation.

### Asia Pacific Locator Map

The largest documented supply of critical minerals are found in the Clarion Clipperton Zone and in the Exclusive Economic Zone (EEZs) of neighboring Cook Islands



Each Pacific island has learned how to manage environmentally sustainable fish resources, especially on near shore coral reefs. Sustainability is part of the 4,000 year old history of the Pacific.

Seabed mining has its own environmental sustainability issues. As is the rule in the Pacific, fishing practices are limited to the supply of the resource. Every Polynesian family and village

chief fully understands that taking fish depletes the resource until natural restocking can replenish the resources. That is not the case in seabed mining. Once the resource is depleted there is no natural regeneration.

The calculus of seabed mining and its environmental consequences comes with trade offs. Given the area of commercialization allotted in the Clarion Clipperton Zone and sovereign Exclusive Economic Zones (EEZs) the total area affected by mining is one one trillionth of the total ocean floor. For ASEDC and the village chiefs this is an acceptable value given the resource will literally save the planet earth from climate change. Pacific Islanders plan for future generations.

Rather than natural replenishment the clean energy industry must provide the numbers, the means and the costs of a circular energy economy. The results set a limit on extraction levels that are acceptable to the environmental degradation that will inevitably occur.

The long term solution to clean energy, recycling minerals for future use, is in keeping with the Pacific practice of regeneration and renewal.

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17; Briefly outline whether and how your organization intends to contribute to the capacity building programs and initiatives of the Authority. ( e.g. Secretary-General's award, voluntary commitments of the Authority.

The American Samoa Economic Development Council combines modern day business methods and best practices with a wisdom filled traditional understanding of sustainability, regeneration and respect for the natural resources which have nurtured Asia Pacific cultures for thousands of years.

All of this knowledge is integral to the Authority's regulatory tasks.

While bigger, richer and more technology advanced Corporations and nations provide extraction models, none of them, to date, reckons with generational sustainability.

Sustainability, in short, based on modern technology capacity and an educated appreciation of a 4,000 year old, natural resource dependent culture, form the essence of the American Samoa Economic Development Council observer status application