



Green Energy
Consultant Service

الطاقة الخضراء
للإستشارات الهندسية



Journey to a Greener Tomorrow

Renewable Energy

Carbon Neutral - Net Zero

Energy Management

Utilities Network

PMC

Contents



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About us

Founded by the visionary leader Eng. Mohammed Al Namani in early 2017, our company is dedicated to pioneering sustainable solutions and advancing Oman's progress on the global stage through innovative approaches and strategic foresight, we have become a trusted partner in driving sustainable development.

We provide consultancy services for various Stakeholders for renewable projects, Carbon Net zero solutions , Energy Management & Power network designs-T&D.

GEC is ISO certified , DCRP approved & OETC approved.

Vision

To be a local leader in providing engineering consultancy services in all sectors introducing best practices in the market.

Mission

Green Energy (GEC) aspires for a leading Omani market position by delivering world-class engineering consultancy services and up-hold-ing top-tier quality and ethical standards as the firm's backbone of progressive growth.

Introduction

The interest in integrating the environmental, social and governance dimension is one of the important variables in the frameworks of sustainable development. From this point of view, the integration between all institutions has become important so that this goal can be achieved through the exchange of experiences and cooperation between these institutions.

The issue of climate change and its repercussions is among the priorities on the international scene and undoubtedly affects development ambitions in addition to its other effects on all aspects of life on the planet, which prompted the international community to adopt a set of mechanisms aimed at limiting the aggravation of this phenomenon.

His Majesty's Sultan of Oman intent to achieve a net-zero status by 2050 will drive the momentum in Oman and its surrounding countries towards climate change and sustainable development.

Green Energy Consultancy Service is operating in the field of sustainable development, providing sustainable solutions to comply with climate change targets, preparing sustainability reports, in addition to contributing to the preparation of special strategies for governments and companies in dealing with climate changes and reducing their risks.



1340519929



Support Oman Vision 2040: To actively contribute to Oman's journey towards becoming a leader in sustainability.

2050

الحياد الصفري الكربوني

Towards Net Zero 2050
Reduce Emissions
Secure Tomorrow



Promote Net-Zero Goals: Aligning with Oman's 2050 net-zero goals and the Paris Climate Agreement to limit global warming to below 1.5°C.

Why GEC

One Stop solution for all Renewable Energy
& Carbon Neutral Services

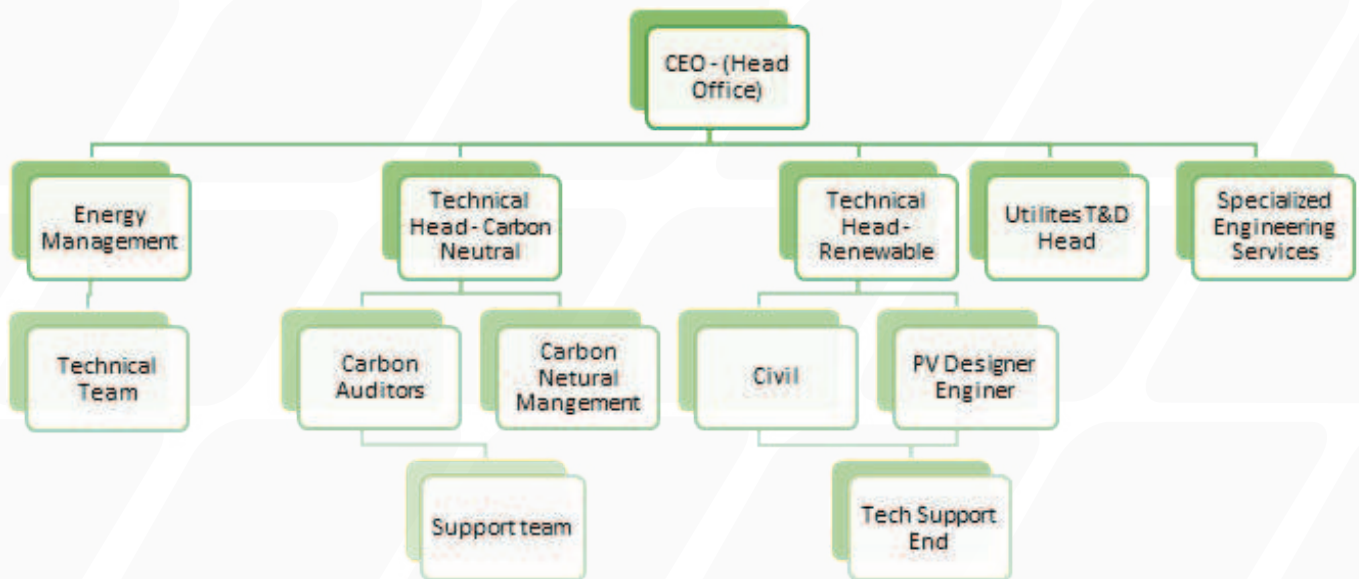
Faster turn around time



Economical Solutions

Wide Local & international expertise in all
energy sector

Company Structure



Our Services

Feasibility

Feasibility Reports – Plant Size, Energy, Lease vs Own, Payback, IRR, NPV, LCOE, Carbon Savings, Shadow Analysis, Export Compensation

Engineering & Designing

Electrical, Mechanical, Civil, Structural, Civil defense, SLDs, CAD Drawings, 3D Models, Simulations, Shadow Analysis, Design Optimization, Surveys, On Site Surveys

Project Management

Construction Supervision, Inspections, Daily, Weekly Visits, Commissioning, Procurement Schedules, BOQ Negotiation, Vendor Selection.

Operations & Maintenance

PV Plant audits, Performance Guarantee Reports, Snag Lists, Commissioning Reports, O&M Reports.

Energy Management

ASHRAE L1&2 Energy & Water Audits, Energy Optimization, Operational Efficiency

Carbon Net- Zero Solutions

Institutional Arrangements, Capacity Building, GHG inventory, Validate and Verify Carbon offsets projects, Decarbonization roadmap strategies



SOLAR ENERGY SYSTEMS SOLUTIONS

Solar Energy Solutions is one of our core expertise . **Green Energy (GEC)** partners with notable renewable energy and power generation companies in developing a practical approach to solving power and energy problems in oman.

Green Energy generates detailed requirements reports covering the following

- 3D Model of the site with elevations and panel layout
- Shadow analysis with losses and optimization recommendations
- Size of the solar plant in KWP that can be installed on the available area
- Energy Yield from the PV plant – per month, per year
- Performance Ratio, Losses, Degradation and other factors impacting the plant
- Energy Consumption vs Solar Production – Monthly Comparison
- Bill Savings in Lease and Own Scenario
- Financial Dashboard
 - Ownership with Equity
 - Ownership with Debt
 - Leasing
- Comparison of Financial KPIs of above models – Payback, IRR, LCOE, NPV
- Graphs of Cash Flow, Net Energy Expense, NPV
- Sensitivity Analysis – to show impact on IRR by varying key parameters
- Carbon Savings
- PVSyst Report – Rooftop, Carpark, Ground Mount, Custom Structure
- Electricity tariff escalators, O&M Costing and escalators, degradation, carbon credits, insurance, other costs, replacement costs, interest rate, other fee etc.
- Recommended Next Steps

There are requirements for specific additional studies to verify network and project viability. The studies we provide are as follows:

- PVSyst Reports
- Power Evacuation Study
- Discrimination Study
- Grid Impact Study
- Short Circuit Contribution Study
- Environmental Impact Study
- Lightning Protection System Study
- Geotechnical Study



Power System Solutions

Green Energy is a technical firm with engineers who specialize in Electrical, Mechanical, Civil and structural engineering Consultant.

GEC developed a practical approach to address numerous power challenges across Oman.

Green Energy generates detailed requirements reports covering the following

- Power generation design
- Transmission and distribution network design
- SCADA Engineering & monitoring system
- Testing & Commissioning of medium and high voltage sub-station.
- Configuration and implementation of IEC 61850 protocol
- Load flow analysis
- Harmonic analysis
- Design of LV installations

Carbon Net-Zero Services

Institutional Arrangements

- Establish institutional arrangement and MRV systems on both national and facility level to ensure high integrity and real transactions for carbon commodities. Prepare concept notes & DPRs
- Enable private and governmental entities get access to climate finance through preparing concept notes for international funding agencies and MDBs through various financial instruments (i.e., concessional finance, guarantees, equity investments and grants)

Capacity Building

- For governmental entities: on setting national decarbonization strategies, operating digitalized MRV systems, and implementing institutional arrangements, and carbon market engagements strategies.
- For public and private entities: on how to define the baseline, calculate and report the GHG inventory in verifiable manner, build up the Mitigation Abatement Cost Curve (MACC), develop a long term decarbonization strategy, engage in the carbon markets without endangering the environmental integrity, all to meet the entity's IMP obligation.

GHG inventory

- Verification, accounting and reporting of emissions associated with organization activities quantified using standardized methods such as ISO-14065 and GHG protocol

Validate and Verify Carbon offsets projects

- Check the validity of reduction and removal activities before converting the real additional emission reductions into tradable mitigation outcomes through international, voluntary, and compliance carbon market standards.

Decarbonization roadmap strategies

- Define the baseline, Mitigation Abatement Cost Curve (MACC), low hanging fruits mitigate-ton opportunities.
- Provide innovative solutions & approaches to help entities achieve their decarbonization targets with the lowest possible cost.
- Define entity's carbon market engagement strategy on both the short and the long terms. Capacity Building
- For governmental entities: on setting national decarbonization strategies, operating digitalized MRV systems, and implementing institutional arrangements, and carbon market engagements strategies.
- For public and private entities: on how to define the baseline, calculate and report the GHG inventory in verifiable manner, build up the Mitigation Abatement Cost Curve (MACC), develop a long term decarbonization strategy, engage in the carbon markets without endangering.

Our Clients

أوميفكو
OMIFCO

حيا
Haya
water



شركة تنمية نفط عُمان
Petroleum Development Oman

ماجد الفطيم
MAJID AL FUTTAIM

مجموعة سكان
SCAN Group



الشركة العُمانية لنقل الكهرباء ش.م.ع.م
OMAN ELECTRICITY TRANSMISSION COMPANY S.A.O.C

إحدى شركات مجموعة نماء
Member of Nama Group

نماء
nama
لتوزيع الكهرباء
ELECTRICITY DISTRIBUTION

ONEIC

AMPERE
For Renewable Energy

Projects

PROJECT NAME	PROJECT DESCRIPTION	CAPACITY	LOCATION	STATUS
AL Nama Poultry Farm	Full consultancy with design of Ground Mounted Solar PV System	21.6 MWp	Dhank	Completed
Mall of Oman	Full consultancy with design of Solar PV Car Park	2.1 MWp	Muscat	Completed
Duqm Salt Factory	Full consultancy with design of Ground Mounted Solar PV System	637.24 kWp	Duqm	Completed
Al Ghalbi Motel	Full consultancy with design of Rooftop Solar PV System	135.72 kWp	Adam	Completed
Quriat STP, Quriat	Full consultancy with design of Ground Mounted System	111.3 kWp	Quriat	Completed
OXY Ground Mounted Solar PV System	Full consultancy with design of Ground Mounted Solar PV System	100 kWp	Wadi Laitham	Completed
The Water-front	Full consultancy with design of Rooftop Solar PV System	16.2 kWp	Muscat	Completed
Telal al Qurum	Full consultancy with design of Rooftop Solar PV System	10.6 kWp	Muscat	Completed

Project : Mall of Oman Solar Car Park

Location: Muscat

Capacity: 2.4 MWp

CO₂ Reduction: 58,000. tCO₂



Project: OMIFCO Solar Car Park

Location: Sur

Capacity: 1 MWp

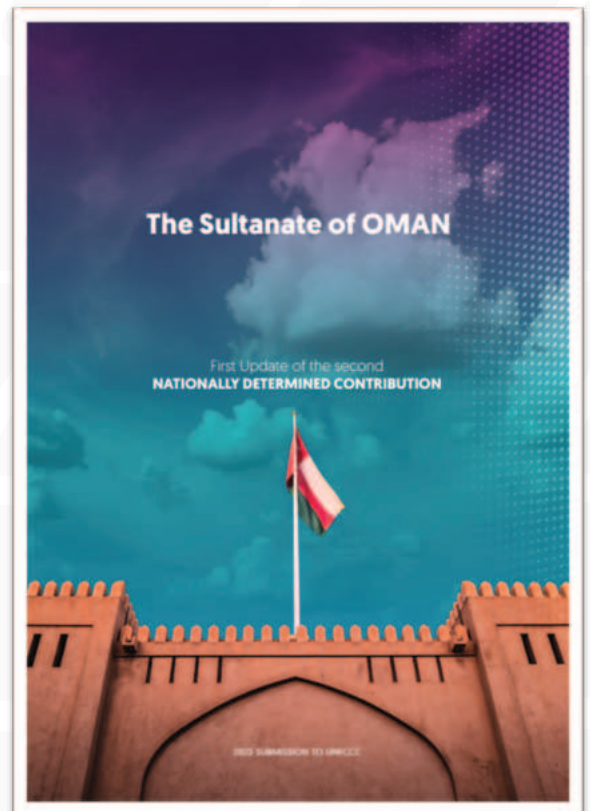
CO₂ Reduction : 29,150. tCO₂



سلطنة عمان
SULTANATE OF OMAN
هيئة البيئة
ENVIRONMENT AUTHORITY



Oman 1st Update of the 2nd NDC



Certification

- CR Documents
- OCCI Certificate
- DCRP Certificate
- ISO Certificates 9001:2015
- ISO Certificates 45001:2018
- ISO Certificates 14001:2025

Commercial Registration Information

بيانات السجل التجاري

Commercial Reg. Name	الطاقة الخضراء للاستشارات الهندسية Green Energy Consultant Service	اسم السجل التجاري
Commercial Reg. Number	1378782	رقم السجل التجاري
Legal Type	شركة الشخص الواحد Sole Proprietor Company	الشكل القانوني

License Information

بيانات الترخيص

License Number	L1418530	رقم الترخيص
License Name	شركة هندسية - (مستثمرين عُمانيين ومن في حكمهم) (مسقط) (Engineering Companies (Omani Investors and their Equivalents) (MCT	اسم الترخيص
License Issued by	وزارة التجارة والصناعة وترويج الاستثمار - التراخيص المهنية Ministry of Commerce Industry and Investment Promotion - Professional License	جهة إصدار الترخيص
License Issuing Date	29/06/2022	تاريخ إصدار الترخيص
Validity Period (Months)	60	فترة الصلاحية (بالشهور)
License Expiration Date	29/06/2027	تاريخ انتهاء الترخيص
License Status	Active نشط	حالة الترخيص
License Approvers	وزارة التجارة والصناعة وترويج الاستثمار - التراخيص المهنية Ministry of Commerce Industry and Investment Promotion - Professional License بلدية مسقط Muscat Municipality	الجهات المعتمدة للترخيص



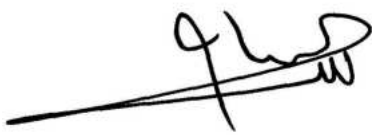
أمانة السجل التجاري

07/12/2023



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أمانة السجل التجاري

07/12/2023



النشاط Activity	تاريخ تسجيل النشاط Registration Date
749023:Electrical Engineering Consultancy	29/06/2022

License Information

بيانات الترخيص

رقم الترخيص	L1418530	License Number
اسم الترخيص	شركة هندسية - (مستثمرين عُمانيين ومن في حكمهم) (مسقط) (Engineering Companies (Omani Investors and their Equivalents) (MCT	License Name


Places of Activities

أماكن ممارسة الأنشطة

رمز مكان ممارسة الأنشطة	45734928	Place of Activities Code
موقع العمل التجاري	الحيل الشمالية / السيب / محافظة مسقط North Al Hayl / Al Seeb / Muscat Governorate	Business Location
اسم الشارع		Street Name
رقم القطعة		Block Number
رقم المبنى	67	Building Number
الإحداثيات	خط الطول خط العرض	GPS Coordinates
	Longitude Latitude	
	58.430724 23.591978	

License Form

استمارة الترخيص



أمانة السجل التجاري

07/12/2023



جدول بيانات الشهادات التعليمية

اسم المهندس	نوع المؤهل الاكاديمي	أدخل اسم الجامعة	أدخل نوع التخصص	تاريخ التخرج	هل لديك ترخيص هندسي فأنم
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* في حالة وجود ترخيص هندسي قائم

رقم الترخيص	اسم الترخيص	تاريخ الإصدار	تاريخ الإنتهاء

بيانات الخبرة العملية

جدول بيانات الخبرة العملية

اسم المهندس	جهة العمل	المسمى الوظيفي	تاريخ الالتحاق	تاريخ انتهاء الخدمة	مدة الخبرة
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أدخل إجمالي عدد سنوات الخبرة

اسم المهندس	مجموع سنوات الخبرة
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تعهد: يقر مقدم الطب بأن البيانات الواردة في هذا الطلب صحيحة ودقيقة ويتحمل المسؤولية الكاملة إذا ثبت خلاف ذلك.



أمانة السجل التجاري

07/12/2023



Remarks

الملاحظات

Note: Digitally Signed Form. This form has been signed and certified using a Digital Signature Certificate as specified under The Electronic Transactions Law of the Sultanate of Oman issued by His Majesty's Royal Decree 69/2008.	1	تنويه: هذه الشهادة موقعة رقمياً. تم توقيع واعتماد هذه الشهادة باستخدام خاصية الشهادات الموقعة رقمياً وفقاً لما هو وارد في قانون المعاملات الإلكترونية لسلطنة عمان والصادر بموجب المرسوم السلطاني رقم 69/2008.
This license must be renewed within 1 month after the license expiration date.	2	يجب تجديد هذا الترخيص خلال مدة لا تزيد عن شهر من تاريخ انتهائه.
The licensee shall be Abidance by rules, regulations, terms and conditions which are organizing this license. The license issuer has the right to cancel the license in case of non-compliance with them.	3	يجب على المرخص له الالتزام بالقوانين واللوائح والاشتراطات والضوابط المنظمة لهذا الترخيص. وفي حالة الإخلال بها يحق للجهة الصادرة للترخيص إلغاؤه.
In case there is a desire to make changes in the industrial license like: change in production, expansion or relocation, approval from the Ministry of Commerce and Industry is needed.	4	في حالة الرغبة بإجراء تعديل على الترخيص الصناعي من حيث التغيير في الإنتاجية أو التوسعة أو تغيير الموقع يلزم أخذ موافقة وزارة التجارة والصناعة.
In industrial license case the company is entitled to obtain industrial tariffs applicable under Ministerial Decree No. (56/1995), in coordination with the local power company.	5	بالنسبة للترخيص الصناعي يحق للمنشأة الحصول على التعرفة الصناعية المعمول بها بموجب القرار الوزاري رقم (56/1995) وذلك بالتنسيق مع شركة الكهرباء في منطقتها.



أمانة السجل التجاري

07/12/2023



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شهادة انتساب Membership Certificate

Oman Chamber of Commerce Industry hereby certifies that the		تشهد غرفة تجارة وصناعة عُمان بأن الطاقة الخضراء للاستشارات الهندسية ش ش و	
CR No	1378782	1378782	رقم السجل
Registered in the grade	First	الاولى	سجلت بالصفة
OCCI No	800673	800673	رقم الغرفة
Date of issue	12/11/2023	12/11/2023	تاريخ الإصدار
Date of expiry	11/11/2024	11/11/2024	تاريخ الانتهاء
Head Office	Muscat	مسقط	المقر الرئيسي



Handwritten signature in blue ink.

Chamber's Membership is necessary to Complete the
procedures of the government transactions

عضوية الغرفة ضرورية لإستكمال إجراءات المعاملات الحكومية

شهادة تسجيل الأعمال الإستشارية الكهربائية
Electrical Consultancy Works Registration Certificate

Effective Date of Registration: 05/08/2024
Registration No CS 005/2024



مجلس مراجعة قواعد التوزيع
DISTRIBUTION CODE REVIEW PANEL

We certify that **Green Energy Consultant Services SPC**, P.O. Box. 810 P.C 112 Reg. No 1378782 has been registered with this panel for the following category/categories:

Type 2: •Network Survey & Design.

•**Scope of Work:** a consultant who can provide expert services on surveying, Designing, Bill of Quantities and Cost Estimation for electrical distribution network < 132.

Expiry Date: 04/08/2027



اللف

رئيس مجلس مراجعة قواعد التوزيع
Chairman of Distribution Code Review Panel

Notes:

- Application shall be submitted for renewal purpose six months before expiry date.
- DCRP must be informed immediately for any changes in technical staff of the organization.

ملاحظات:

- يجب أن يتم تقديم طلب التجديد قبل ستة أشهر من تاريخ إنتهاء الشهادة.
- يجب إخطار مجلس مراجعة قواعد التوزيع بأي تعديل يتم في العمالة الفنية في المؤسسة فوراً.



"When you want to be sure! "

ACERTA MIDDLE EAST

Certificate Number:

720 ISO90M

Date First Registered:

17/05/2024

Issued on:

25/06/2024

Valid until:

24/06/2027

CERTIFICATE

Awarded to

GREEN ENERGY CONSULTANT SERVICES

P.O Box 810, PC 112, BBH Building, Ghala Industrial Area, Muscat, Oman

System which complies with:

In recognition of the Organization's Quality Management:

ISO 9001 : 2015

EA Code : 35

For the scope of activities described below:

- 1) Consultancy services in the field of Survey, Design, Solar, Transmission and distribution of electrical networks
- 2) Netzero and Decarbonization strategies, Environmental studies Energy efficiency and feasibility studies.

It is mandatory to carry out the surveillance audit on its time.

This Certificate is Issued By :

Executive Director



THINKING GLOBALLY, ACTING LOCALLY

The validity of this certificate can be checked asking by phone or email to ACERTA, or visiting the section ISSUED CERTIFICATES on our website: www.acerta-me.com
Further clarifications regarding the scope of this certificate or the applicability of the management system requirements can be obtained by consulting directly ACERTA by phone or email.

Villa 9030, Israa St. Al Mearaj Al Sofly, Maadi, Cairo, Egypt
Email: info@acerta-me.com

T [Office] : +202 23106707 M [Office] : +201020050188
website: www.acerta-me.com



"When you want to be sure! "

ACERTA MIDDLE EAST

CERTIFICATE

Awarded to

GREEN ENERGY CONSULTANT SERVICES

P.O Box 810, PC 112, BBH Building, Ghala Industrial Area, Muscat, Oman

OH&S ISO 45001:2018

EA Code : 35

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T [Office] : +202 23106707 M [Office] : +201020050188
website: www.acerta-me.com



"When you want to be sure! "

ACERTA MIDDLE EAST

Certificate Number:

183 ISO14OM

Date First Registered:

17/05/2024

Issued on:

25/06/2024

Valid until:

24/06/2027

CERTIFICATE

Awarded to

GREEN ENERGY CONSULTANT SERVICES

P.O Box 810, PC 112, BBH Building, Ghala Industrial Area, Muscat, Oman

ISO 14001:2015

EA Code : 35

For the scope of activities described below

Consultancy services in the field of Survey, Design, Solar, Transmission and distribution of electrical networks Netzero and Decarbonization strategies, Environmental studies Energy efficiency and feasibility studies.

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Villa 9030, Israa St. Al Mearaj Al Sofly, Maadi, Cairo, Egypt T (Office) : +202 23106707 M (Office) : +201020050188
Email: info@acerta-me.com website: www.acerta-me.com



Certificate No.: 21659636

Issue Date: 06/10/1445 AH
15/04/2024

Cr No.: 1378782

رقم الشهادة: ٢١٦٥٩٦٣٦

تاريخ الإصدار: ١٤٤٥/١٠/٠٦ هـ
٢٠٢٤/٠٤/١٥

رقم السجل التجاري: ١٣٧٨٧٨٢

VAT Registration Certificate

شهادة تسجيل ضريبة القيمة المضافة

The Tax Authority certifies that Green Energy Consultant Service has been registered for Value Added Tax (VAT) from an effective date of 15/04/2024 and has been given VATIN OM1100397563.

Registration address Sultanate of Oman, Muscat, Al Seeb, South Al Hayl, 112, 810, 11, 11.

This certificate is valid until 14/04/2025.

Tax Authority reserves the right to withdraw this certificate any time before the expiry date.

يشهد جهاز الضرائب بأنه قد تم تسجيل الطاقة الخضراء للاستشارات الهندسية بضريبة القيمة المضافة برقم تعريف ضريبي OM1100397563. وان تاريخ نفاذ التسجيل هو 2024/04/15.

عنوان التسجيل سلطنة عمان، محافظة مسقط، السيب، الحيل الجنوبية، 112، 810، 11، 11.

هذه الشهادة صالحة حتى تاريخ 2025/04/14.

يحتفظ جهاز الضرائب بحق سحب هذه الشهادة في أي وقت قبل تاريخ الانتهاء.



Tax Authority
جهاز الضرائب



ص.ب : 285، الرمز البريدي: 100 | مسقط، سلطنة عُمان | هاتف: +968 24746996
P.O. BOX: 285, Postal Code: 100, Muscat, Sultanate Of Oman | TEL: +968 24746996

مركز الاتصالات: 1020

www.taxoman.gov.om

نلتزم بالشفافية
Moving Forward
with Confidence

رؤية عُمان
2040



Green Energy Consultant Service
الطاقة الخضراء للإستشارات الهندسية



 Muscat - Sultanate Of Oman

 +968 99849519 - +968 91141828

 Khamis@wajllc.com - nirmal@scanllc.com