



Build **GREEN** Tec.
Working towards sustainable future



crop
ecological
strategies
organic
production
cover
social
water
management
farmers
practices
systems
use
natural
economic
diversity
agricultural
growing
robustly
livestock
health
biological
system
also
sustainability
land
quality
local
farm
crops
farming
soil
resources

ECO EFFICIENCY



ECO RESPONSIBLE MATERIALS



BUILDING TREATMENTS



ECO HOME AUTOMATION



ECO-FRIENDLY CONSTRUCTION



GREEN BUILDING CERTIFICATION





WHY GO GREEN?

For a long time, the human race has relied on fossil fuels as their primary source of energy. Fossil fuels heat our homes, provide gas for our cars and electricity for our everyday appliances. In the 21st century, we are using non-renewable energy sources more than ever, but our ravenous power consumption comes with a cost. Over time, we are depleting the Earth's resources and slowly killing our planet. There is still hope for the earth, if we change our ways now and shift our focus to green energy sources, the planet will survive for generations to come.

"That is why we are here to build Green and Self Sustainable Communities worldwide, in fact make the world Green and Self Sustainable, by partnering worldwide. Build reputation for integrity, excellence, experience and show leadership in Green Construction Industries."

- Abdul Razzaak Malik
Chairman | CEO

Out of 72,000 SMEs
we ranked #1 in Dubai.



Dubai SME One Hundred Award



HISTORY

Build Green Tec Group established in UAE, engaged with construction industry for over 20 years.
Build Green Tec offers Green and Self Sustainable Construction Solutions.

Build Green Tec focusing on creating a healthy indoor environment inside buildings which are self sustainable.
It makes sense to focus on improving the mass-produced materials that predominate in modern construction.





ECO GREEN ICF



**ECO RENEWABLE
ENERGIES**



**ECO WATER
TREATMENTS**



**ECO HOME
AUTOMATION**



**ECO GREEN
CONSTRUCTION**



**GREEN
COMMUNITY
DEVELOPMENT**

What we do

ECO GREEN SOLUTIONS

-  ECO Green ICF
-  ECO Renewable Energies
-  ECO Water Treatments
-  ECO Home Automation
-  ECO Green Constructions | Royal City Contracting
-  Green Community Development



ECO Green ICF



BUILD GREEN



STEP 1 | Pour base slab



STEP 2 | Instal ECO Green ICF



STEP 3 | Prop the walls



STEP 4 | Pour the concrete



STEP 5 | Core and shell complete



STEP 6 | Finished building

ICF saves **70%** of Electrical Energy
60% of Construction Time
50% of Labour and
100% Cost savings on long run

ICF is simply a superior & economical way to build

- 01 The Project Shall Be Completed 60% Faster
- 02 150 Years Life Span Of ICF Building (Minimum)
- 03 High Insulation Effective Value Of R-55 To R-60.
- 04 High Sound Insulation Value Of Up-To 52
- 05 Seismic Resistant Construction.
- 06 Cracks Free Internal & External Surfaces.
- 07 Economical Basement Provision.
- 08 Early Return Of Property Investments.
- 09 A/C Tonnage Savings Up To 60%.
- 10 Bullet Proof Structure
- 11 40% Less Building Dead Load
- 12 Extension Friendly Structure.
- 13 Up to 4 Hours Of Fire Retarded Rating
- 14 Economical Construction System
- 15 LEED & ESTIDAMA Certified Building System Without Extra investment.
- 16 Alteration Friendly Construction
- 17 Highly Insulated Roofs
- 18 Enables Increase Of Daylight In Building Without Extra Reinforcement.
- 19 Tornado Resistant
- 20 Air Tight Construction System



Hawk Freight Services | DAFZA, Dubai



Oud Al Matna Villa | Dubai, UAE



ECO Renewable Energies



ECO Renewable Energies, produces specialized state of the art solar power generators

capable to provide uninterrupted high Inductive power load 24/7 independently without any electricity support, which make it 100% off-grid power generator

These systems are available in wide range of variety ranging from 5KW to 50MW.

These systems are fully automated by microcontroller installed in it, more over a user friendly programming is also available to meet customized requirements of the users. The output power delivered by these generators is pure sine wave and fully regulated with all significant protections against all types of electrical hazards.

These systems can efficiently run all household electrical appliances including air conditioners, water pumps etc.

Our enhanced commercial models have the capability to efficiently run all industrial equipment and machinery requirements.



10KW Solar Power Project (100% Off-Grid System)
Desert Safari Camp | Hatta South, Dubai



5KW Solar Power Project (100% Off-Grid System)
Barsha South, Dubai



We specialize in utilizing the best technology for the production of fresh water from air,

Eco Water Treatments is a unique engineering division combining the execution of turnkey projects with development and innovations.

We specialize in utilizing the best technology for the production of fresh water from air, saline and blackish water, treatment of waste water and greening the environment. We have extensive experience in various technologies of sea water desalination and waste water recycle, we focus on service.

Eco Water Treatments is a specialized technical products marketing and trading division based in Dubai, UAE. It was specifically established by the Build Green Tec Group to cater for the growing demand in the field of water and waste water treatment in Dubai and all over UAE. Our experienced team of professional engineers and procurement specialists focus on our clients' needs to ensure that all their requirements are fulfilled in an efficient timely manner with total commitment.

Eco Water Treatments are managed by dedicated experts well versed in all aspects of product techniques related to water treatment and equipments. The Eco Water Treatments is supported by a sales team of highly qualified Engineers and Technicians to provide best quality products with guarantee of back-up services.

The Eco Water Treatments have products from numerous internationally recognized manufacturers and extensive inventory of their products is mostly available ex-stock.



Control your home's energy consumption by Voice, Smart Phones, the Web Anytime, anywhere

Imagine the possibility of controlling complete home in your working and living environment by using the interface you desire.

Eco Home Automation provides Smart Home technology. Our systems are designed to fit your lifestyle and allow you to seamlessly control all aspects of your property, including lighting, climate, appliances, curtains and blinds, multi-room audio/video, security, digital surveillance and entertainment to maximize energy saving.

We work with both private and commercial developers to create stunning installations that increase property value, differentiate houses from surrounding properties and enhance the lives of the people who live and work in them.

Our range of systems has been designed to the highest architectural specifications and represents the best products on the market today, in terms of price, functionality, customization and flexibility.

The Eco Home Automation range of products is modular and can be installed as and when budget allows. With Eco Home systems, you can enjoy personalized automation that is tailored to the way you live.





We pride ourselves on delivering quality craftsmanship using Insulating Concrete Forms (ICF), renewable & sustainable materials.

Our goal is to minimize impact on the environment with energy-conscious building practices that will benefit our clients and generations to follow.

At Royal City Contracting LLC we pride ourselves on delivering quality craftsmanship using Insulating Concrete Forms (ICF), renewable, sustainable materials. Our construction offers an attractive alternative to traditional construction while promoting a healthier environment for our clients and the planet. We have over 6 years of experience serving the residential and commercial market in Dubai, providing expert consulting, design and construction services. As the green building movement gains momentum we will stay ahead of the curve, expanding our knowledge and utilizing new green technologies as they become available.

At Royal City Contracting LLC, we keep our clients fully informed throughout the entire design and construction process, firmly establishing relationships of mutual trust. We place a premium value on quality relationships, ensuring a harmonious experience from start to finish. Our referral-based business is a testament to the exceptional quality of our designs, construction methods and project management.

With an eye for detail, we can assist our clients in the design and planning of any upcoming project and thereby undertake the construction work on a turnkey & design-build basis. Maintaining a strong relationship and submitting documents exactly fitting the requirements of DAFZA, JAFZA, EHS, CED and Fire Departments as well as Dubai Municipality, makes our approval processes easy and on time.

Available Services:

- Construction & Management
- ICF Structural Designing
- Estidama / LEED Planning and Construction
- Solar System Installation
- Insulation Applications
- Electromechanical Works
- Energy Efficiency Experts



ICF System, Equations, Approved Strategy
12 Points, based on the website



LEED
Leadership in
Energy and
Environmental
Design

ICF System can achieve
up to 28 LEED Points.



Dubai Municipality



Approved from
Dubai Control Laboratory



Ministry Of Defense



Crescent Park :
Largest Solar Community in America

Location: USA
Technology: PV

The Drake Landing Solar Community :
Solar Community

Location: Canada
Technology: PV

SOLAR-SIEDLUNG:
Solar Community with Solar Powered Building

Location: Germany
Technology: PV

ECO Green Development refers to self sustainable community,

that is environmentally responsible and resource-efficient throughout the communities life-cycle: from siting to design, construction, operation, maintenance, renovation, and demolition.

This requires close cooperation of the design team, the architects, the engineers, and the client at all project stages. Eco Green Developments practice expands and complements the classical community design concerns of economy, utility, durability, sustainability and comfort.

Although new technologies are constantly being developed to complement current practices in creating greener structures, the common objective is that green communities are designed to reduce the overall impact of the built environment on human-health and the natural environment by:

- Efficiently using energy, water, and other resources
- Protecting occupant health and improving employee productivity
- Reducing waste, pollution and environmental degradation

Green Communities are on a smaller scale and tends to focus on the use of natural materials that are available locally. Self Sustainability may be defined as meeting the needs of present generations independently without any external support, and without compromising the ability of future generations to meet their needs.





www.buildgreentec.com



Working towards sustainable future

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Our Global Partners



Z.E.D.
Zero Emission Development
Partnership Ltd



Green Leaf
Partnership Ltd



LEED
Leadership in Energy and
Environmental Design



DOT Partners
Dubai Office for
Sustainable Development

Thanks for your time