



# ALL-IN-ONE ENERGY SOLUTIONS

A Curated Package of Efficient Energy  
Solutions for Homes & Large-Scale Projects—  
All in One Catalogue

+356 2147 0265

+356 9949 5860

[anthony@energyprojectsmalta.com](mailto:anthony@energyprojectsmalta.com)

[www.energyprojectsmalta.com](http://www.energyprojectsmalta.com)

# CONTENT



**02**

WHO WE ARE

**03**

BRANDS WE REPRESENT

**04**

OUR PROCESS

**05**

NOTABLE PROJECTS

**07**

POWERING YOUR PROJECTS

**08**

HEATING AND COOLING SOLUTIONS

**20**

UNDERFLOOR HEATING SOLUTIONS

**22**

BEST WATER TECHNOLOGY

**28**

GENERATOR BACKUP SOLUTIONS

**30**

POOL HEATING SOLUTIONS

**34**

GAS SOLUTIONS



## WHO WE ARE

Founded in 1993 by Director Anthony Falzon, A. Falzon Energy Projects has been a leading force in Malta's energy sector for over 30 years. We proudly introduced the renowned Riello brand to the island, a company with over 80 years of expertise in energy solutions. Over the years, we've earned a reputation for exceptional service and fostered lasting relationships with our clients.

Driven by a passion for innovation, our Director has secured strategic partnerships with industry giants like Riello, Watts, Samtech, Maincor, Ferroli, and SDMO. These collaborations allow us to offer our customers access to cutting-edge, energy-efficient products.

At A. Falzon Energy Projects, we serve a diverse clientele, providing tailored energy solutions to meet the unique needs of both local and international projects. Our mission is to deliver the highest quality products, exceptional service, and competitive prices, all while helping our clients save energy and reduce costs.

With a commitment to staying ahead of the curve, we continually update our offerings and invest in international training to ensure we provide the most innovative, sustainable and efficient energy solutions available.



# BRANDS WE REPRESENT

We partner with industry-leading brands known for innovation, efficiency, and reliability. Each is carefully selected to provide top-quality energy solutions tailored to your project's needs.



# OUR PROCESS



## Site Walk

Assess the site with facility experts to gather data and evaluate the client's needs and opportunities.



## Interview

Consult with the facilities team to understand the operations, goals, and specific needs of the client.



## Engineering Assessment

Evaluate energy, environmental, and operational data to create sustainable solutions with tailored recommendations and efficient implementation plans.



## Project and Rebate Management

Oversee the project lifecycle from start to finish, ensuring goals are met. Maximize government and state incentives to reduce costs.



## Supply and Installation

Supply quality materials and complete installations to the highest standards using our skilled in-house teams.



## Operations and Management

Provide post-installation support, including maintenance, engineering, and troubleshooting for Mechanical, Electrical, and Plumbing systems.



## Lifetime Care

Assist clients in developing maintenance programs to ensure longevity, efficiency, and reduce failure rates.



## NOTABLE PROJECTS

From heating, cooling, and power backup solutions to efficient energy systems, our projects showcase innovation, reliability, and efficiency.

At A. Falzon Energy Projects, we provide tailored energy solutions for residential, commercial, and industrial applications, ensuring long-term performance and sustainability.



### Iniala Harbour House

A. Falzon Energy Projects installed high-efficiency heat pumps and boilers at Iniala Harbour House, Malta's only Forbes Five-Star hotel, ensuring seamless luxury and comfort.

### db Seabank Hotel

We installed a 1MW high-efficiency gas boiler, upgraded the gas network, and added stainless steel calorifiers (1000 L each), enhancing heating efficiency with custom energy solutions.







## The Imperial

A. Falzon Energy Projects installed advanced heating systems, including boilers and calorifiers, at The Imperial, a prestigious nursing and retirement home in Sliema, Malta, renowned for its high-quality elderly care services.

## Caritas

A. Falzon Energy Projects designed and installed a complete boiler room system, including hot water solutions, gas tanks, and pipe networks, delivering tailored energy solutions to meet the facility's unique needs.

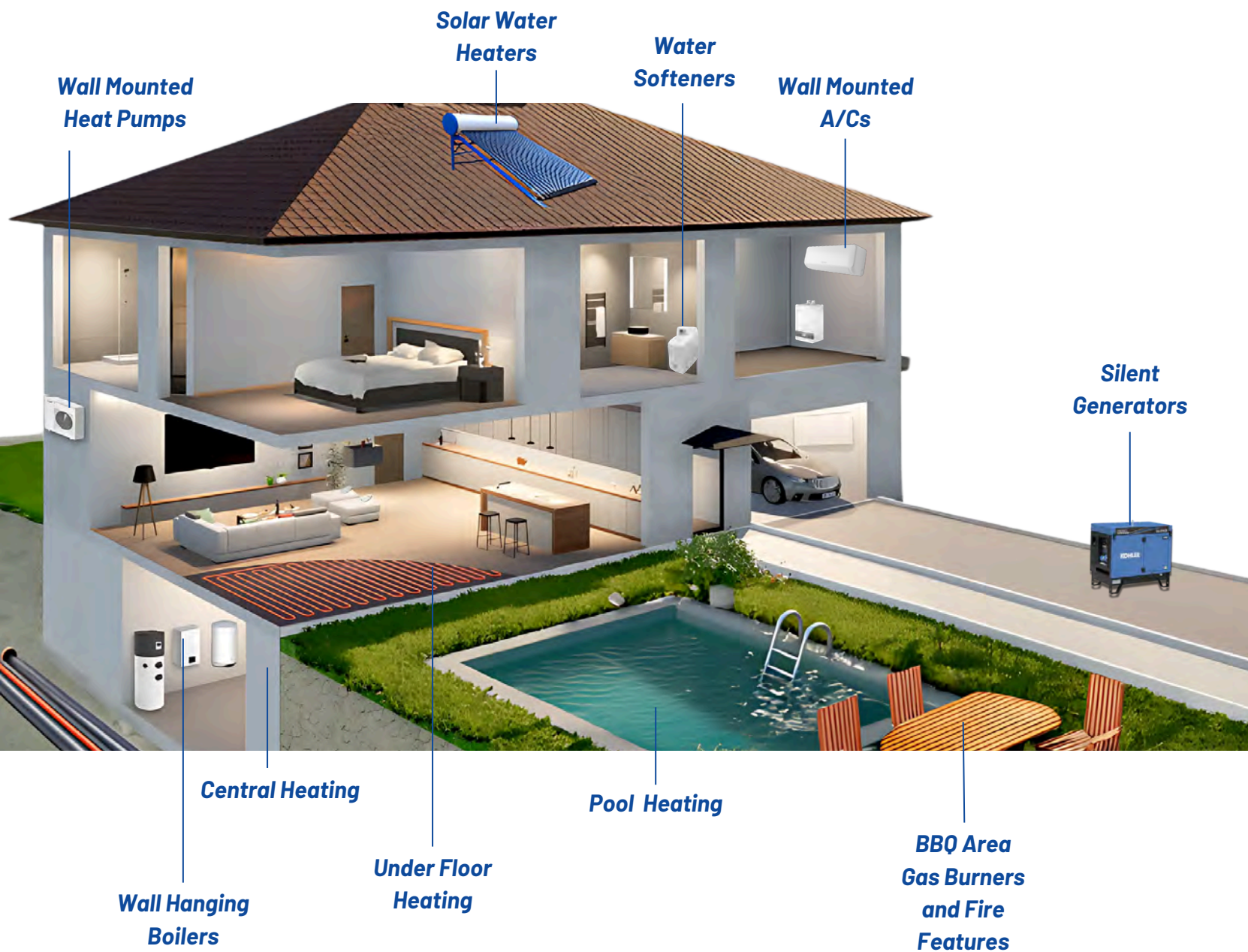


## Bitmac Ltd.

We successfully installed Baby Boilers for Bitmac Ltd., a leading asphalt and construction materials supplier, providing a reliable and energy-efficient solution tailored to their requirements.

# POWERING YOUR PROJECTS

At A. Falzon Energy Projects, we provide a carefully curated selection of energy solutions, bringing you the best products from top brands to meet the needs of residential and commercial properties. Our selected products ensure energy efficiency, comfort, and sustainability, with solutions for every area of your project.





# *HEATING & COOLING*



# RIELLO RESIDENCE HM

## Smart Indoor Boiler for Heating & Hot Water

The **Riello Residence HM** is a premium wall-hung condensing boiler designed to provide both **space heating** and **instantaneous hot water** for your home. Ideal for internal installations, it delivers high efficiency, intelligent operation, and superior comfort, making it a perfect choice for modern residential living.



### Why We Recommend It

- **Energy Efficient** – 1:10 modulation ratio adjusts output to demand, reducing gas consumption.
- **Smart Adaptive Combustion** – Automatically optimizes performance for any gas quality.
- **Reliable & Durable** – Stainless steel heat exchanger ensures long-term performance.
- **Compact & Silent** – Small footprint (740 x 420 x 275 mm) and ultra-quiet operation (from 45 dB).
- **Instant Hot Water** – No waiting, continuous supply on demand.

### Key Features

- **Touchscreen Interface** – Intuitive controls for easy operation.
- **Eco-Friendly** – Supports hydrogen gas blends up to 20%, reducing emissions.
- **Self-Regulating System** – Low maintenance, automatic combustion calibration.
- **High Seasonal Efficiency** – 93% efficiency rating (Class A).

### Technical Specifications

- **Models:** 25, 30, and 35 kW (Combi); 20 & 30 kW (Heating-only).
- **Noise Level:** From 45 dB (ultra-quiet).
- **Weight:** 28 - 30 kg
- **Installation:** Indoor, IPX5D-rated for protected outdoor areas.

# RIELLO FAMILY EXTERNA

## *Reliable Heating, No Indoor Space Needed*

The **Riello Family Externa** is a high-efficiency wall-hung condensing boiler designed specifically for **outdoor installations**. It provides both **space heating** and **instantaneous hot water**, ensuring optimal performance and durability in external environments. Its robust construction and advanced features make it an ideal choice for homeowners seeking reliable outdoor heating solutions.



### Why We Recommend It

- **Outdoor Durability** – Designed to withstand external conditions all year-round.
- **High Efficiency** – Condensing technology ensures maximum energy savings.
- **Advanced Combustion Control** – ACC system optimizes performance for various gas qualities.
- **User-Friendly Interface** – Intuitive controls for easy operation and monitoring.

### Key Features

- **Stainless Steel Heat Exchanger** – Provides long-lasting durability and resistance to corrosion.
- **Low NOx Emissions** – Certified Class 6 for NOx, adhering to the highest European standards.
- **Adaptive Gas Compatibility** – Automatically adjusts to gas variations without manual calibration.
- **Compact Design** – Space-saving dimensions suitable for various outdoor settings.

### Technical Specifications

- **Models:** 25 kW and 30 kW in both combi (KIS) and heating-only (IS) versions.
- **Dimensions (H x W x D):** 740 x 420 x 275 mm.
- **Efficiency:** Achieves high seasonal energy efficiency, contributing to energy savings.



# RIELLO NXHM 004÷016

## Advanced Heat Pump for Heating, Cooling & Hot Water

The **Riello NXHM 004-016** is a **monobloc air-to-water heat pump** designed for residential applications, providing **heating, cooling, and domestic hot water**. With models from 4.2 to 15.9 kW, it offers a flexible, energy-efficient solution for various home needs.



### Why We Recommend It

- **High Energy Efficiency** – A+++ rating at 35°C for maximum savings.
- **Advanced Inverter** – Twin rotary compressor optimizes performance.
- **Quiet Operation** – Noise levels as low as 58 dB(A).
- **Compact Design** – 1295 x 429 x 792 mm, fits easily in tight spaces.

### Key Features

- **Versatile Applications** – Compatible with radiators, underfloor heating, and fan coils.
- **Hot Water Production** – Provides domestic hot water up to 65°C.
- **Scalable System** – Cascade up to 6 units for higher demand.
- **Anti-Freeze Protection** – Automatically prevents freezing in low temperatures.

### Technical Specifications

- **Models Available:** NXHM 004 to NXHM 016
- **Heating Capacity Range:** 4.2 kW to 15.9 kW
- **Refrigerant:** R32
- **Operating Temperature Range:** -25°C to 43°C
- **Maximum Hot Water Temperature:** 65°C

# RIELLO DESIGN INVERTER

## *Slim, Silent, and Smart Climate Control*

The **Riello Design Inverter** is a high-efficiency **fan coil unit** designed for **heating and cooling** in residential and commercial spaces. Its **ultra-slim design, whisper-quiet operation**, and advanced **DC Brushless Inverter** motor ensure rapid temperature control, energy savings, and enhanced comfort.



### Why We Recommend It

- **Radiant Heating Effect** – Combines convective and radiant heating, ensuring uniform warmth.
- **Ultra-Slim Design (13 cm Depth)** – Compact and stylish, blending seamlessly into any space.
- **DC Brushless Inverter Motor** – Adjusts airflow continuously for maximum efficiency.
- **Dual Operation Modes** – 'Performance' for efficiency, 'Comfort' for silent operation.
- **Energy Savings Up to 50%** – Consumes significantly less energy than standard fan coils.

### Key Features

- **Touch Display Controls** – Intuitive digital interface for easy adjustments.
- **Flexible Installation** – Can be mounted vertically or horizontally, with left-side connections.
- **Quiet & Efficient** – Operates at ultra-low noise levels, perfect for residential spaces.
- **Easy Maintenance** – Removable filters allow quick and hassle-free cleaning.
- **Wide Range of Models** – Cooling from 830 W to 4,560 W; heating from 1,090 W to 4,860 W.

### Technical Specifications

- **Models Available:** Design Inverter & Design Inverter Plus
- **Cooling Capacity Range:** 830 W – 4,560 W
- **Heating Capacity Range:** 1,090 W – 4,860 W
- **Dimensions:** Depth of 13 cm
- **Motor Type:** DC Brushless Inverter

# RIELLO MINI EVO EXT LN

## *Compact External Mount for Instant Hot Water*

The **Riello Mini EVO EXT LN** is a compact, wall-mounted gas water heater designed specifically for **outdoor installations**. It provides **instantaneous domestic hot water**, ensuring a continuous and efficient supply for your household needs. Its **space-saving design** and **advanced combustion technology** make it an ideal choice for modern homes seeking reliable hot water solutions.

### Why We Recommend It

- **Outdoor Installation** – Designed for external mounting, saving indoor space.
- **Instant Hot Water** – Delivers immediate hot water on demand, eliminating waiting times.
- **Compact Design** – Space-saving dimensions make it suitable for various outdoor settings.
- **Energy Efficiency** – Advanced combustion technology ensures optimal gas consumption.
- **User-Friendly Operation** – Simple controls for easy temperature adjustment and monitoring.

### Key Features

- **Stainless Steel Burner** – Provides durability and efficient heat exchange.
- **Safety Features** – Equipped with multiple safety systems, including flame failure protection and overheat prevention.
- **Weather-Resistant Casing** – Robust construction to withstand outdoor environmental conditions.
- **Low NOx Emissions** – Environmentally friendly design adhering to strict emission standards.

### Technical Specifications

- **Models Available:** 11, 13, and 17-litres per minute versions
- **Dimensions (H x W x D):** 699 x 408 x 260 mm.
- **Gas Type:** Compatible with natural gas and LPG
- **Ignition System:** Electronic ignition for reliable start-up.
- **Weight:** 21kg

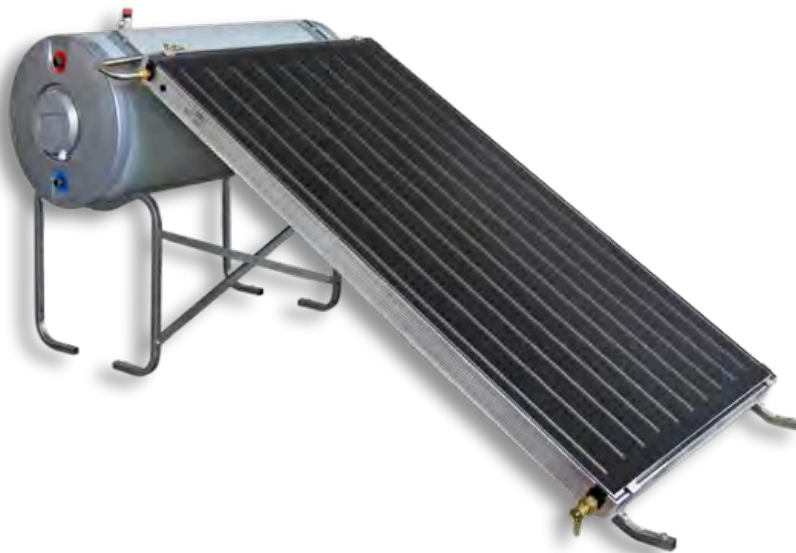




# RIELLO CSNA 20 RS

## Solar-Powered Hot Water, Built for Any Climate

The **Riello CSNA 20 RS** is a **natural circulation solar thermal system** designed to provide **domestic hot water** for households, accommodating up to **five people**, even in **climatic zones with non-optimal weather conditions**. Available in **various sizes** from 150L to 300L with one to three solar collectors, it offers flexible installation options for different household needs. Utilizing the **free energy of the sun**, this system ensures an eco-friendly and cost-effective hot water solution.



### Why We Recommend It

- **Natural Circulation** – No pumps or electronics, reducing maintenance.
- **Quick Installation** – Pre-assembled components for fast setup.
- **High-Efficiency Collector** – Selective coating maximizes heat absorption.
- **Durable Enamelled Cylinder** – Insulated tank retains heat efficiently.
- **Flexible Mounting** – Compatible with roof and flat installations.

### Key Features

- **Frost Protection** – Non-toxic antifreeze ensures cold weather performance.
- **Supplementary Heating** – Optional electric resistance for extra warmth.
- **Corrosion-Resistant** – Built for long-lasting durability.
- **Solar Keymark Certified** – Meets UNI EN 12976 efficiency standards.

### Technical Specifications

- **Collector Surface Area:** 1.91 m<sup>2</sup> per panel.
- **Cylinder Capacities:** 150, 200, 220, and 300 litres.
- **System Configurations:** Single or multiple collector setups for different water demands.
- **Installation Angles:** Designed for 0° (parallel to roof) or 30° (inclined) installations.

# FONDITAL GARDA S/90

## Space-Saving Vertical Radiator

The **Fondital Garda S/90** is a **high-performance vertical extruded aluminium radiator** designed for efficient heating with minimal space usage. Its **slim profile** and **modular construction** allow flexibility in installation, making it ideal for homes and offices. Crafted in Italy, it ensures **rapid heat transfer, energy efficiency, and long-lasting durability** while blending seamlessly into modern interiors.

### Why We Recommend It

- **Space-Saving Vertical Design** – Maximizes floor space, ideal for compact areas.
- **Modular Configuration** – Available in blocks of 3 to 6 sections, adaptable to different heating requirements.
- **High Thermal Efficiency** – Provides effective heat output with low water content.
- **Durable Finish** – Double coating (anaphoresis and powder) ensures long-lasting aesthetics.
- **10-year warranty** – Covers manufacturing defects with proper installation.

### Key Features

- **Multiple Heights** – Available in seven models, ranging from 966 mm to 2066 mm in height.
- **Versatile Design** – Available in multiple colours to match any décor.
- **High Working Pressure** – Maximum operating pressure of 16 bar, suitable for high-pressure systems.

### Technical Specifications

- **Depth:** 90 mm
- **Heights:** 966 mm to 2066 mm
- **Section Length:** 80 mm
- **Connection Size:** G1 inch
- **Heat Output per Section ( $\Delta T$  50°C):** 182 W to 324 W, depending on model.



# FONDITAL CALIDOR SUPER B4

## High-Performance Aluminium Radiator

The **Fondital Calidor Super B4** is a **die-cast aluminium radiator** engineered for **exceptional mechanical and thermal performance**. Protected by three international patents, it is ideal for renovations and low-temperature heating systems. Its **modular design** and **lightweight construction** ensure easy installation and adaptability to various spaces.



### Why We Recommend It

- **High Thermal Efficiency** – Optimized for low-temperature systems, delivering strong heat output.
- **Lightweight and Easy to Install** – Facilitates quick installation and handling.
- **Durable Double Coating** – Features anaphoresis and powder coating for a lasting finish.
- **Modular Design** – Allows customization to fit various room sizes and heating needs.
- **10-year warranty** – Covers manufacturing defects with proper installation.

### Key Features

- **Optimal Weight-to-Heat Ratio** – Lightweight with high thermal output.
- **Weldless Base** – Thermoelectric joining for improved durability.
- **High Operating Pressure** – Handles up to 16 bar, ideal for varied systems.
- **Low Thermal Inertia** – Ensures rapid temperature response.

### Technical Specifications

- **Models Available:** 350/100, 500/100, 600/100, 700/100, 800/100
- **Depth:** 97 mm
- **Heights:** 407 mm to 858 mm
- **Section Length:** 80 mm
- **Connection Size:** G1 inch
- **Heat Output per Section ( $\Delta T$  50°C):** 89.9 W to 177.7 W



# FONDITAL COOL

## Elegant Heating Solution for Modern Bathrooms

The **Fondital COOL** is a **towel rail radiator** crafted from high-quality aluminium, designed to provide efficient heating while adding a touch of elegance to your bathroom. Available in **18 distinct colours** and **various sizes**, it complements diverse interior styles. The radiator features the **Aleternum® total anti-corrosion treatment**, ensuring **long-lasting durability** and **high resistance to corrosion**.

### Why We Recommend It

- **Versatile Design** – Available in multiple sizes and 18 colours to match any décor.
- **Efficient Heating** – Provides effective warmth while keeping towels dry and cosy.
- **Aleternum® Treatment** – Patented internal protection enhances performance and system integrity.
- **Durable Finish** – Double coating (anaphoresis and powder) ensures lasting aesthetics.
- **12-year warranty** – Includes anti-corrosion protection.

### Key Features

- **High Corrosion Resistance** – Ideal for humid environments like bathrooms.
- **Low-Temperature Compatibility** – Efficiently operates with modern condensing boilers and heat pumps.
- **Multiple Connection Options** – Offers traditional and central bottom hydraulic connections.

### Technical Specifications

- **Heights:** 858 mm to 1740 mm
- **Centre Distances:** 400 mm to 600 mm
- **Depth:** 26 mm
- **Maximum Working Pressure:** 16 bar
- **Maximum Working Temperature:** 120°C



# OLIMPIA SPLENDID NEXYA ENERGY E

## Cool, Heat, Dehumidify - All in One Air Conditioner

The **Olimpia Splendid Nexya Energy E** is a **high-performance mono-split air conditioner** designed for energy-efficient **cooling, heating, and dehumidification**. Using R32 refrigerant and inverter technology, it delivers precise temperature control while minimizing energy consumption. With **smart connectivity** and **advanced filtration**, it ensures optimal indoor comfort and air quality.



### Why We Recommend It

- **Superior Energy Efficiency** – Reaches A+++ class, reducing energy costs.
- **Advanced Air Treatment** – Ionizer and triple filtration improve air quality.
- **High-Temperature Sterilization** – 56°C cycles prevent mould and bacteria.
- **Smart Connectivity** – Wi-Fi control via the OS Comfort app.

### Key Features

- **Inverter Technology** – Ensures efficient temperature regulation.
- **Eco-Friendly Refrigerant** – Uses R32 with lower environmental impact.
- **User-Friendly Modes** – Includes Eco, Sleep, Silent, and Turbo functions.
- **Optimized Airflow** – Breeze Away and Swing improve air distribution.

### Technical Specifications

- **Cooling Capacity:** Up to 4.31 kW
- **Energy Class:** A+++ (cooling)
- **Refrigerant:** R32
- **Functions:** Cooling, heating, dehumidification, ventilation
- **Control:** Remote control with temperature sensor

# NEXYA S4 E CASSETTE COMMERCIAL

## Efficient Air Conditioning for Commercial Spaces

The **Nexya S4 E Cassette Commercial** by **Olimpia Splendid** is a high-performance air conditioning solution designed for commercial environments. Its compact design, energy efficiency, and advanced features make it ideal for maintaining optimal comfort in various settings.



### Why We Recommend It

- **Compact Design** – Fits standard 600x600 mm ceiling grids for seamless integration.
- **Energy Efficient** – Achieves A++ cooling and A+ heating for lower energy costs.
- **Even Airflow** – 4-way distribution ensures balanced cooling across the space.
- **Cleaner Air** – Advanced filtration removes impurities for healthier air.

### Key Features

- **Space-Saving** – Slim 600x600 mm cassette fits into false ceilings.
- **Easy Control** – Sleek decorative panel with a digital display.
- **Multi-Mode** – Cooling, heating, dehumidification, and ventilation.
- **Eco-Friendly** – Uses R32 refrigerant for lower environmental impact.

### Technical Specifications

- **Cooling Capacity:** Up to 24,000 BTU
- **Energy Efficiency:** A++ (Cooling), A+ (Heating)
- **Dimensions:** 840 x 245 x 840 mm
- **Refrigerant:** R32
- **Installation:** Ceiling cassette type



# *UNDERFLOOR HEATING SOLUTIONS*



# MAINCOR UNDERFLOOR HEATING

## Step Into Comfort, Every Time

**Maincor Underfloor Heating** offers an energy-efficient solution that provides **consistent warmth** across various floor constructions in both residential and commercial settings. Designed to **integrate seamlessly** with existing systems, it's an ideal partner for renewable energy sources. Operating at lower temperatures than traditional heating methods, it ensures cost-effective and environmentally friendly comfort.

### Our Service Offering

- ✔ **Customized System Design** – Tailored layouts to meet specific heating requirements.
- ✔ **Professional Installation** – Expert fitting to ensure optimal performance and longevity.
- ✔ **Advanced Controls & Zoning** – Smart thermostats and zoning capabilities for personalized comfort.
- ✔ **Versatile Compatibility** – Works efficiently with various heat sources, including heat pumps, gas boilers, and solar heating systems.

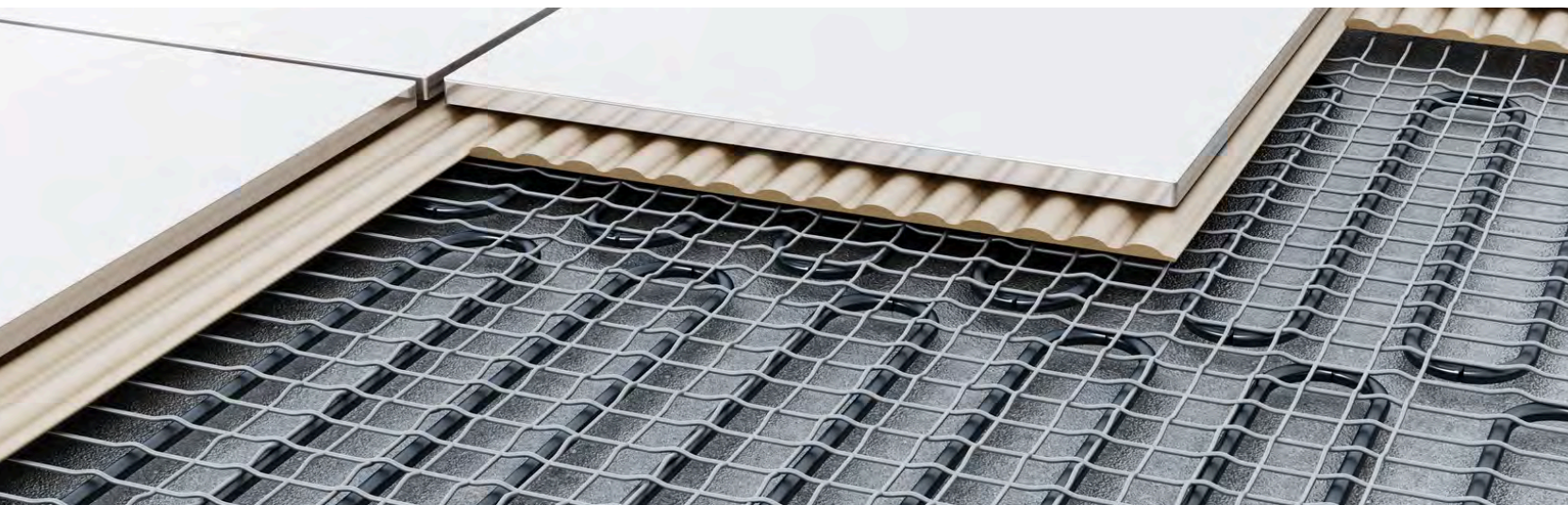
### Applications

- Residential Homes
- Commercial buildings
- New constructions
- Renovations & retrofits

### Why Choose Us?

With expert installation and dedicated support, we ensure your underfloor heating system is efficiently designed, professionally fitted, and built to last.

At A. Falzon Energy Projects, we are committed to delivering customized, energy-efficient heating solutions. Partnering with Maincor, we ensure your spaces are warm, comfortable, and aligned with modern energy standards.





# ***BEST WATER TECHNOLOGY***





# BWT PERLA SILK

## Experience Silky-Soft Luxury Water

The **BWT Perla Silk** transforms hard water into silky-soft pearl water, **reducing limescale buildup** and **enhancing the feel of water** for bathing, cleaning, and laundry. By preventing scale deposits, it **protects water-using appliances** such as pumps, flushing systems, water heaters, and dishwashers, helping them operate efficiently and last longer. Designed for modern living, it **optimizes water and salt consumption**, ensuring cost savings, hygiene, and **an uninterrupted supply of soft water**.

### Why We Recommend It

- **Intelligent Regeneration** – Adjusts to water usage, minimizing waste.
- **Protects Household Appliances** – Reduces scale buildup in pipes, pumps, and water systems.
- **Compact & Sealed Design** – Space-saving and protected from dust.
- **User-Friendly Operation** – Simple interface with automatic alerts.

### Key Features

- **High Flow Rate** – Delivers up to 28 litres per minute, suitable for large households.
- **Hygiene Plus Bio Cell** – Automatic resin disinfection for added safety.
- **Brine Check Valve** – Prevents overfilling for peace of mind.
- **Smart App Integration** – Monitors performance via the BWT Best Water Home App.

### Technical Specifications

- **Family Size:** Suitable for up to 10 people
- **Flow Rate:** Up to 1.68 m<sup>3</sup>/h
- **Salt Consumption:** 1.5 – 3.0 kg per regeneration
- **Water Consumption:** 85 – 145 L per regeneration
- **Capacity:** 26 – 75 mmol/l CaCO<sub>3</sub>
- **Salt Reservoir:** Up to 24 kg
- **Dimensions (W x D x H):** Various Sizes from 276 x 470 x 526 mm





## Soft Water is the New Luxury

Transform your home with BWT Perla Silk. Hard water can leave limescale stains, dull surfaces, and rough fabrics, but soft water ensures your bathroom, kitchen, and appliances remain spotless and well-maintained. Enjoy a home that stays effortlessly clean while preserving the value of your investments.



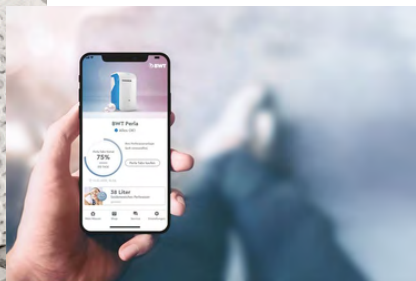
## See - Feel and Enjoy the Difference

Silky-soft water transforms your daily routine, making showers and baths a spa-like experience. Your skin feels smoother, your hair looks shinier, and your clothes maintain their softness and vibrancy for longer. With fewer mineral deposits, your favourite fabrics and towels stay fresh and plush, wash after wash.



## Reliable Protection with Soft Water

Extend the life of your home's plumbing, appliances, and fixtures by preventing limescale buildup. Hard water can clog pipes, reduce efficiency, and cause premature wear on washing machines, dishwashers, and kettles. With BWT Perla Silk, your appliances stay in peak condition, saving you on maintenance and energy costs.



## Smart Technology, Easy Maintenance

Enjoy peace of mind with a system that works seamlessly in the background. The BWT Perla Silk automatically adjusts to your water usage, ensuring continuous performance. Plus, with the Best Water Home App, you'll receive low-salt reminders and remote monitoring options for ultimate convenience.

# STEELPUMPS XAJE SERIES

## Smart Water Pressure, Always Ready

The **Steelpumps XAJE Series** consists of **self-priming centrifugal pumps** designed for efficient and automated water supply. Ideal for **home water boosting, irrigation, and underground water storage**, these pumps ensure steady pressure with minimal maintenance. They **automatically activate after inactivity to prevent seizing**, featuring dry-run protection and an anti-blocking system for lasting reliability. Built with stainless steel and an IP68 rating, they are ideal for submerged, surface, or underground installations.



### Why We Recommend It

- **Automatic Water Supply** – Ensures steady water pressure without manual intervention.
- **Dry-Run Protection** – Prevents damage by shutting off when water is unavailable.
- **Anti-Blocking System** – Activates every 72 hours to prevent pump seizure.

### Key Features

- **Versatile Installation** – Works in submerged, surface, or underground setups.
- **Durable Build** – Stainless steel AISI 304 body with a brass flange.
- **IP68 Protection** – Fully dustproof and water-resistant.
- **User-Friendly Interface** – Simple controls with automatic alerts.

### Technical Specifications

- **Flow Rate:** Up to 51 L/min.
- **Power:** 0.60 kW (0.8 HP) to 0.90 kW (1.2 HP).
- **Dimensions (W x D x H):** 447-477 x 200 x 226 mm.
- **Weight:** 14.5 to 16 kg.



# GRUNDFOS WATER PUMPS

## *Efficient, Sustainable, and Built to Last*

**Grundfos** is a global leader in advanced pump solutions, offering energy-efficient and high-performance pumps for a wide range of applications. Whether for domestic use, commercial projects, or industrial systems, Grundfos pumps ensure reliability, durability, and intelligent water management.

### Our Service Offering

- ✔ **Tailored Solutions:** A. Falzon provides Grundfos pumps to match your needs, for any application.
- ✔ **Smart Technology:** Energy-saving, adaptive performance.
- ✔ **Reliable & Durable:** Built for tough conditions, low maintenance.
- ✔ **Versatile Range:** Domestic water supply, pressure boosting, wastewater management, irrigation, industrial processes, cooling systems, and renewable energy solutions.

No matter the application, A. Falzon has the right Grundfos pump to optimize your water management system—let us help you find the perfect solution!



# WATER PUMPS FOR ANY APPLICATION

At **A. Falzon Energy Projects**, we offer a diverse range of water pumps tailored to various applications, ensuring reliable water pressure and system performance. Whether you need **high-demand solutions**, **booster sets**, **inverter-type pumps**, or **borehole systems**, we provide a selection of top-quality products to meet your specific requirements.

Our carefully curated range includes trusted brands such as **Grundfos**, **Saer**, **IMP**, **Steelpump**, and **Ebitt**, ensuring efficiency, durability, and optimal functionality across different installations.

No matter your water management needs, we have the right solution to keep your system running smoothly. Contact us to find the best pump for your application.





# ***GENERATOR BACKUP SOLUTIONS***





# KOHLER-SDMO DIESEL 6000 GENERATOR

## *Reliable Power for Residential Complexes and Work Environments*

Now rebranded as **Rehiko**, the **Kohler-SDMO Diesel 6000 Generator** is built to deliver continuous, dependable power while optimizing fuel usage. With its robust diesel engine, long runtime, and very quiet operation, it ensures a steady and cost-effective power supply for various applications.



### Why We Recommend It

- **Consistent Power** – Delivers stable energy for continuous operation.
- **Fuel Efficient** – Maximizes runtime while minimizing fuel consumption.
- **Quiet Performance** – Very Low noise levels for a less disruptive experience (63 dB(A) at 7m).
- **Durable Design** – Built to withstand demanding conditions.

### Key Features

- **Reliable Diesel Engine** – Kohler KD15-440E\_C5 ensures consistent performance.
- **Extended Runtime** – 27L fuel tank provides up to 22.5 hours at 75% load.
- **Multiple Power Outlets** – 115V and 230V sockets for versatile use.
- **Compact & Portable** – Sturdy frame with ergonomic handles for easy transport.

### Technical Specifications

- **Power Output:** 5 kW (6 kVA) continuous, 5.2 kW (6.5 kVA) max
- **Voltage:** 230V
- **Frequency:** 50 Hz
- **Phase:** Single-phase
- **Start:** Electric
- **Dimensions:** 990 x 615 x 960 mm
- **Weight:** 198 kg

# *POOL HEATING SOLUTIONS*



# Pool Heating - Your Questions Answered!

## Do I need a pool heating system?

Without heating, your pool is only warm for a short time in summer, making it less enjoyable year-round. A pool heat pump keeps the water at an optimal temperature, allowing you to make the most of your investment throughout the entire bathing season. Enjoy your pool in every season!

## How does a pool heating pump work?

A heat pump extracts heat from the outside air and transfers it to your pool water via a heat exchanger. Simply set your desired water temperature, and the system does the rest.

## Which pool heating pump is best for me?

The right choice depends on your pool size, fill volume, geographical location, cover type, installation setup, and how quickly you want your pool heated. Our team at A. Falzon Energy Projects can guide you to the perfect solution.

## What is an inverter heat pump, and how does it save energy?

Inverter heat pumps adjust their output based on energy demand, making them more efficient than standard models. Their high Coefficient of Performance (COP) means lower electricity consumption and greater savings over time.

At **A. Falzon Energy Projects**, we provide pool heating solutions for both commercial and domestic use, from heat pumps to boilers,  
**with no pool too small or big for us.**



# BWT INVERTER CONNECT IC

## Efficient Pool Heat Pump with Intelligent Control

The **BWT Inverter Connect IC** Heat Pump, powered by **Mitsubishi** inverter technology, ensures optimal pool temperatures with high energy efficiency and intelligent performance adjustment based on water and ambient conditions. It features **three operating modes** (Max, Eco, Silent) and **Wi-Fi connectivity** for remote control via the BWT Inverter app. Designed for **quiet operation** and **durability**, it delivers cost-effective, year-round pool heating with minimal maintenance.



### Why We Recommend It

- **Intelligent Performance Adjustment** – Automatically adapts to water and ambient temperatures.
- **Energy Efficiency** – Inverter technology improves COP by 20-30%, lowering energy costs.
- **Quiet Operation** – Maintains low noise levels for a peaceful pool environment.
- **Remote Monitoring** – Wi-Fi module enables control via the BWT Inverter app.

### Key Features

- **Three Operating Modes** – Max for fast heating, Eco for efficiency, Silent for low noise.
- **Durable Construction** – Epoxy-coated metal housing for long-lasting protection.
- **User-Friendly Interface** – Intuitive controls with real-time monitoring.

### Technical Specifications

- **Heating Capacity:** 6.8 kW to 18.2 kW (for pools up to 100 m<sup>3</sup>).
- **Coefficient of Performance (COP):** Up to 10.5 at 20% nominal power.
- **Weight:** 40 kg to 59 kg depending on the model.
- **Operating Temperature Range:** 0°C to 38°C.
- **Refrigerant:** – Eco-friendly R32.



# BWT MITSUBISHI POWER INVERTER

## High-Efficiency Heat Pump for Larger Pools

The **BWT Mitsubishi Power Inverter (MPI)** heat pump is engineered to deliver exceptional performance for large swimming pools, ensuring **optimal water temperatures even during colder seasons**. Its advanced technology and robust design make it a reliable choice for both residential and commercial pool applications.



### Why We Recommend It

- **Consistent Performance** – Maintains up to 80% heating capacity even in cold weather.
- **Energy Efficient** – Inverter technology adjusts power use based on demand, reducing costs.
- **Quiet Operation** – Designed for low noise levels, making it ideal for residential and commercial pools.
- **Durable & Reliable** – Built with high-quality materials to withstand long-term use.

### Key Features

- **Smart Inverter Technology** – Automatically adjusts compressor speed for precise temperature control.
- **Hot Gas Injection** – Improves heating efficiency in low ambient temperatures.
- **Reversible Operation** – Capable of both heating and cooling for year-round comfort.
- **User-Friendly Controls** – Intuitive digital display for easy adjustments and monitoring.

### Technical Specifications

- **Models:** M.P.I.-100M to M.P.I.-380T
- **Heating Capacity:** 16.2 kW – 59 kW (Air 26°C, Water 26°C) / 10.6 kW – 39 kW (Air 15°C, Water 26°C)
- **Operating Temperature:** As low as -15°C
- **Refrigerant:** R410A for efficient heat transfer
- **Power Supply:** 230 V Single-phase / 400 V Three-phase (Model dependent)
- **Dimensions (L x D x H):** 995 x 495 x 600 mm – 1250 x 360 x 1340 mm
- **Weight:** 49 – 148 kg

# ***GAS SOLUTIONS***



# LPG & NATURAL GAS INSTALLATION

## *Safe, Certified, and Efficient Gas Solutions for All Properties*

At **A. Falzon Energy Projects**, we specialize in providing **safe and efficient** LPG and natural gas solutions for residential properties. Our services encompass the design, installation, and certification of gas networks, ensuring seamless integration from the main supply to various household applications, including **indoor kitchens, outdoor BBQ areas, and fire features.**

### Our Service Offering

- ✔ **Gas Network Design & Installation** – Customized setups for homes and outdoor spaces.
- ✔ **Certified & Safe Installations** – Compliant with all safety regulations.
- ✔ **Indoor & Outdoor Applications** – Kitchens, heating, BBQs, and fire pits.
- ✔ **Testing & Certification** – Thorough inspections to ensure safe operation.

### Applications

- Fire pits & fire features
- Pool & Spa heating
- Outdoor kitchens & BBQs
- Residential homes

### Why Choose Us?

With our team of certified professionals, we ensure expert installation and dedicated support, delivering reliable and safe gas solutions tailored to your household needs.

Partner with A. Falzon Energy Projects for all your LPG and natural gas requirements, and experience the convenience and efficiency of professionally managed gas installations.





# ALL-IN-ONE ENERGY SOLUTIONS

GET IN TOUCH TODAY!





[anthony@energyprojectsmalta.com](mailto:anthony@energyprojectsmalta.com)

| [www.energyprojectsmalta.com](http://www.energyprojectsmalta.com)



### **A. Falzon Energy Projects**

---

89, Canon Road,  
St. Venera, Malta, SVR 9035  
+356 2147 0265  
+356 9949 5860