

# LIVABLE YACHT 75

Solar, electric-propelled and self-lifting





## WELCOME TO LIFE ON THE WATER

Arkup livable yachts combine the best attributes of yachts, floating houses and waterfront villas, with the added benefits of being self-sufficient, sustainable and environmentally friendly. Live in comfort and luxury in total autonomy, and enjoy life between the sea, the sky and the city. Dock in a metropolitan marina or anchor in a tranquil bay. Cruise silently in waterways, bays or open sea. Because you're producing your own electricity with solar panels, there is no noise, no

fumes, and no fuel bills. When elevated on its hydraulic pilings, the vessel is as stable as a house, and protected from the action of the waves.

The Arkup livable yacht was conceived to be sustainable and "future-proof", from its ability to withstand or avoid extreme weather events, to its self-contained systems that allow fully off-the-grid living.

RELAX, ENJOY AND LIVE IN THE VIEW!

# NEXT GENERATION FLOATING HOMES

Urban growth, rising seas and energy independence are key challenges for this generation. Our solution is a unique avant-garde concept of life on the water.

A combination of research in renewable energy, technological innovation and cutting-edge spatial design and style, the Arkup livable yacht has systems for rainwater harvesting, water purification, and waste management. Its mobility and resilience mean it can adapt to changing circumstances with ease. A situates your new home between the sea and the city.



Self-contained, sustainable and mobile

## C CRUISING IN SILENCE

The Arkup livable yacht moves silently and without vibration thanks to electric propulsion, with energy provided by its advanced solar-energy system. Two azimuth electric thrusters of 136 horsepower each move the vessel at speeds of as much as 7 knots. The thrusters rotate 180 degrees for ease of navigation and maneuverability.

The vessel is engineered according to U.S. Coast Guard standards for partially protected waters, meaning you can move your home along any coastline.



Noise-free electric propulsion, without vibration



## A UNIQUE FOUNDATION

A key feature of the Arkup livable yacht is its sophisticated system for elevating the vessel completely above water level and making it feel as stable as a house on land.

The four 40-foot-long hydraulic pilings, or “spuds” in marine terminology, level the floating home, creating a sturdy foundation in depths of as much as 20 feet. In addition to the added security in rough weather, this system eliminates the effect of the rolling of the sea, and, for those affected by it, seasickness.



The hydraulic pilings raise the vessel above the waves

## SURROUNDED BY BEAUTY

The Arkup livable yacht allows you to live in the view, whether it's a big city skyline or a tranquil bay. The state-of-the-art design creates a liberating sense of openness, making the sea and sky part of your daily life.

With floor-to-ceiling windows, two decks and five terraces, you are truly a part of your surroundings. The mobility of the Arkup livable yacht enables you to change your perspective whenever you want – even if it's just for the perfect sunset.



Seamless indoor/outdoor space

## AMPLE ROOM TO RELAX

Cutting-edge design combined with abundant space give a sense of ease and tranquility aboard the Arkup livable yacht. With 4,350 square feet (405 m<sup>2</sup>) of total space and 2,600 square feet (242 m<sup>2</sup>) of indoor space, the vessel has the feel of a spacious floating home, centered on a 775 square foot (72 m<sup>2</sup>) living room.

Four en-suite bedrooms, expansive terraces and balconies and a sliding wall in the living room provide privacy, flexibility and an all-encompassing sense of abundance.



State of the art design, high-end materials, and custom finishes



## WAKE UP TO SEA AND SKY

The Arkup livable yacht has three en-suite bedrooms on its upper deck, accessed by a stairway from the foyer. The master bedroom features a freestanding bathtub and walk-in closet. All the bedrooms have plenty of space for king-size beds.

The master bedroom and VIP-guest bedroom have balconies, and all have floor-to-ceiling windows that guarantee you are constantly immersed in the view.



Floor to ceiling windows offer panoramic views





## PERFECTION IN THE DETAILS

Every aspect of the Arkup livable yacht is designed with comfort in mind. The four full bathrooms epitomize this approach, with abundant space, large windows providing natural light, and luxury fixtures, like the deluxe rain showers.

The ability to choose custom finishes and the materials of your choice guarantee satisfaction and a fully-realized sense of your personal style.



Natural light, abundant space, luxurious appointments





## LIVING IN THE VIEW

The design of the Arkup livable yacht was conceived to maximize the advantages of being in a tropical or semi-tropical zone, where indoor/outdoor living is the natural lifestyle. Balconies, terraces, and the floor to ceiling windows allow you to be part of the beauty around you. Even when the vessel is in motion, silence and calm reigns, without any vibration thanks to the electric propulsion system. A 715 square feet (67 m<sup>2</sup>) fixed terrace with outdoor kitchen can be expanded

to nearly double its size with a 456 square feet (42 m<sup>2</sup>) retractable extension. A 125 square feet (12 m<sup>2</sup>) sun deck with a lifting platform can be immersed to create a sheltered pool for an easy dip.

The terrace spaces, decks and bedroom balconies make the Arkup livable yacht ideal for entertaining large groups or for more intimate gatherings.





## SELF-SUSTAINING LUXURY

Arkup engineers think sustainably from conception to construction in creating fully solar-powered and sustainable luxury livable yachts. We strive for excellence, quality and technical innovation to create a floating home that is not only beautiful to look at, but also “future-proof.”

An Arkup livable yacht has the resilience and flexibility to deal with changing conditions in terms of weather, sea level and energy for the years ahead.

Owners of Arkup livable yachts will be independent from utility providers.

The solar panels generate 36 kilowatts of power, and the floatable home’s batteries can hold as much as one megawatt hour of power storage, ensuring enough energy to operate boat engines and household needs indefinitely with sufficient sunlight. Systems for rainwater harvesting and purification provide all water needs.

## PIONEERING FLOATING COMMUNITIES

Floating houses are a popular choice for living in some parts of the world, in particular in the Netherlands and in cities on the West Coast of the United States. Demand is growing, and Arkup is first to market with an “à la carte” product for the prestigious coastal housing market.

Arkup livable yachts transcend the constraints that marinas and other floating communities face. With their hydraulic pilings, the floating homes can occupy waterfront space that is currently unusable by conventional yachts.



Arkup livable yachts are perfectly suited for waters outside seawalls



# A NEW VISION FOR ECO-RESORTS

Ecotourism is being embraced by some of the most exclusive resorts and hotels in the world. At the same time, extreme weather events in coastal areas are increasing with climate change. This challenge becomes more real with the arrival of each new natural disaster.

At Arkup, we truly believe there's a better way to build the resorts of tomorrow; designed around mobility, flexibility and sustainability. The Arkup livable yacht offers a resilient and responsible green alternative.



Self-sustaining and responsive to changing conditions





## UPLIFTED BY A NEW LIFESTYLE

For those who love life on the water, the Arkup livable yacht is an ideal choice: Sustainable, safe, and incredibly flexible. In a world where one's work is increasingly portable, this vessel takes the logical next steps – fully wired, yet completely independent; connected to the amenities of city life, but with the agility to move to calmer environs. All the conveniences of home but living off-the-grid; completely mobile, but able to put down a foundation wherever it rests.

Ultimately flexible – home, vacation option, office, resort, an unforgettable venue for entertaining – it could be one or a combination of all its facets. Combining French refinement, Dutch maritime tradition, and luxury design, the Arkup livable yacht is an innovative and sustainable solution for those who long for a more flexible and worry-free way of living. The next-generation floating home awaits those who embrace freedom as a lifestyle.



(RE)CONNECT WITH NATURE





Livable Yachts

# FREQUENTLY ASKED QUESTIONS



## COMMERCIAL

### WHAT IS THE TYPICAL USE FOR ARKUP - LIVABLE YACHTS?

Owners can use it as a recreational vessel that can provide the feel and comfort of home. Investors can consider the vessels for hospitality and seasonal rentals (in compliance with local regulations depending on the jurisdiction).

### LIVING ON THE WATER: WHAT ARE THE WORLD TRENDS OF THIS NEW LIFESTYLE?

Although ARKUP - LIVABLE YACHTS are vessels they can be built as Floating houses which have become popular living in some parts of the world (for example, in the Netherlands, United States - West Coast cities and South-East Asia). ARKUP - LIVABLE YACHTS are future-proof dwellings resilient to floods, storm surge and sea level rise. They are also a key solution to urban growth and space scarcity.

### WHAT IS THE RESALE VALUE OF A LIVABLE YACHT OVER TIME?

The ARKUP - LIVABLE Yacht values will maintain market stability over time as its conception is simple, modular, adaptable and reversible. There are also limited operational expenses compared to a traditional yacht. It is hurricane resilient, which makes it a practical investment.

### WHAT IS ARKUP - LIVABLE YACHTS PRICE RANGE?

The price range for the ARKUP - LIVABLE YACHT on-shelf 75-footer starts just under \$2.5M for the technology free base version (does not include electric propeller, solar panels, batteries or hydraulic spuds) The fully loaded ARKUP - LIVABLE YACHT is estimated at \$4.5M for sustainable mobile and self-elevating (showcased). It can be customized to the needs and taste of each client.

### IS THE INTERIOR DESIGN CUSTOMIZABLE?

ARKUP - LIVABLE YACHT can be delivered raw, decorator ready or fully-furnished and ready to move in. Bespoke projects can be developed to suit each client's need and taste.

### WHAT DELIVERY TIME TO EXPECT AFTER PLACING AN ORDER FOR A LIVABLE YACHT?

Standard delivery time is 10 to 12 months after order confirmation and plan's approval depending on technology and customization.

### WHERE CAN THE VESSELS BE DELIVERED?

ARKUP- LIVABLE YACHTS can be delivered via water ways to coastal areas, accessible interior lakes and large rivers around the world (prices range upon request).

### WHAT IS THE USUAL MAINTENANCE CHECK-LIST?

Maintenance is limited: filters change, hydraulic jack lubrication, hull cleaning, and waste water tank pump out. Safety features inspection and testing.

## CAN ARKUP - LIVABLE YACHTS BE USED AS A SEASONAL RENTAL?

ARKUP- LIVABLE YACHTS can be chartered to carry up to 12 passengers with or without a crew (operating as an Uninspected Passenger Vessel over 100 gross tons or as a Recreational Vessel - bare boat charter -, according to the US Coast Guards' safety standards and regulations).

## COST

### IS THERE ANY TAX INCENTIVE FOR BUYING ARKUP - LIVABLE YACHT?

The maximum taxes levied on the sale of a vessel in the State of Florida are \$18,000 including both sales and use tax and discretionary sales surtax. Although there is no direct tax incentive for purchasing a 100% solarelectric vessel, you will have no utility bills since an ARKUP- LIVABLE YACHT generates its own power and can operate off the electrical grid. The property tax does not apply on recreational vessels. The annual registration fee for an ARKUP- LIVABLE YACHT is approximately \$150.

## LOCATION

### WHERE CAN I LIVE WITH SUCH A VESSEL?

Similar areas where large yachts would dock: marina slips, private docks, waterfront properties, privately owned submerged lands or regulated anchorage.

## REGULATORY

### IS IT A HOUSE OR A VESSEL REGARDING LAWS AND REGULATIONS?

It is a recreational vessel that must be registered and titled.

### WHAT ARE THE ENVIRONMENTAL REGULATIONS FOR OPERATING ARKUP - LIVABLE YACHT?

Anchoring is not allowed in protected areas to preserve the waters and sea bottoms. Black and gray waters discharges must be conducted in compliance with the regulations of individual local jurisdictions.

## SAFETY/WARRANTY

### HOW IS SAFETY ADDRESSED IN OPERATIONS?

Safe operating procedures (navigation, boat lift, sliding terrace and hydraulic spuds) are detailed in the operational manual and will be addressed during the owner training session

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### WHAT ARE ONBOARD SAFETY DEVICES?

Glass railings and handrails, life vests, smoke detectors, sprinklers and fire extinguishers, alarms (smoke, bilge water, intrusion) and automated bilge pumps, lightning protection, CCTV cameras and VHF are included. All alarms are connected and monitored in realtime.

### WHAT TYPE OF WARRANTY DOES ARKUP OFFER?

ARKUP offers 5-year limited warranty coverage on the hull and deck structural components and a 1-year warranty to other components and items.

### WHAT ARE THE OPERATIONAL LIMITS OF THE VESSEL?

The vessel is designed and engineered according to United States Coast Guard standards for partially protected waters (max 20 nautical miles off the coast). Maximum anchoring depth is 25 feet (7.5 meters).

### WHAT DOES "HURRICANE PROOF" MEAN?

The ARKUP - LIVABLE YACHT structure and anchoring system are designed to resist high winds and hurricane force winds (up to 156 mph | 250 km/h – Category 4.) The vessel can be completely lifted out of the water to safe guard from storm surge. Hurricanes are predictable storm events allowing enough time for owners to sail to a safe harbor or a protected area.

## TECHNOLOGY/SUSTAINABILITY

### ARE ARKUP - LIVABLE YACHTS CUSTOMIZABLE?

Yes, the vessels are fully customizable on demand and can incorporate anything the customer would like to include.

### IS THERE A THERMIC ENGINE BACKUP FOR THE 100% ELECTRIC MODEL?

A diesel generator can be added upon request to increase range but existing electric engines provide enough power to propel the vessel and navigate safely.

### CAN YOU BOOST THE EXISTING 272HP ELECTRIC THRUSTERS PROPELLING THE VESSEL?

Yes. We can also boost electric energy production and storage depending on the client's needs.

### WHAT HOME-AUTOMATION TECHNOLOGIES ARE INCORPORATED INTO THE ARKUP- LIVABLE YACHTS?

An ARKUP - LIVABLE YACHT features state-of-the-art smart technologies and offers maximum living comfort by enabling to control temperature, lights, electric shades, sound system, etc. remotely and monitored in realtime providing the user with information on battery life and water tank capacity, as well as overall energy generation-consumption ratios.



### HOW DOES ARKUP - LIVABLE YACHT FLOAT AND NAVIGATE?

Flotation is ensured by Archimedes. Our livable yacht is equipped with two 136hp (100 kW) electric thrusters that rotate 180°, allowing for smooth navigation and maneuvers

### WHAT FEATURES ARE INCLUDED IN TERMS OF COMMUNICATIONS AND ACCESS TO NETWORKS?

ARKUP- LIVABLE YACHTS are equipped with long range high speed internet and VHF. Satellite TV and navigation systems are optional.

### WHAT ARE THE MAIN ADVANTAGES OF THE ELECTRIC THRUSTERS?

Cruising is silent and clean as electric propulsion does not generate noise, smoke or smell and will not pollute the water.

### WHAT ARE THE MAIN SPECIFICATIONS OF THE VESSEL?

300 tons wet, 75x32 feet, 5 feet draft, 30 feet air draft and 7 knot max speed. The 8 mm steel hull is composed of 28 watertight compartments.

### WHAT ARE THE SUSTAINABLE MATERIALS AND TECHNOLOGIES INCLUDED ONBOARD?

ARKUP- LIVABLE YACHTS offer Low-e consumption design & materials and equipment with solar energy generation and battery storage. Rainwater harvesting, water storage and purification system, waste water management system, energy recovery and ventilation.

### WHAT IS THE MAX POWER GENERATION AND STORAGE CAPACITY?

36kW power generation by solar roof and up to 1MWh power storage ensure plenty of energy to operate the boat engines and livable features. With limited sun, the vessel can cruise the entire day on battery power.

### ARE THE BUILDING MATERIALS ECO-SOURCED?

Conception and design are eco-friendly. Sustainable and green materials are incorporated into the design as much as possible.

### IS THE VESSEL 100% SELF-SUSTAINING?

The vessel is zero emission, carbon neutral and energy positive and collects rain water and treats it for onboard use.

### WHY OFFER SUSTAINABLE OFF-GRID LIVABLE YACHTS?

We strive to offer an alternative lifestyle to preserve the environment by avoiding fossil fuels. Our vessels and housing solutions are resilient to storm surge and hurricanes.

## USE/NAVIGATION

### WHAT ARE THE HYDRAULIC SPUDS USED FOR?

The automated hydraulic system ensures that the vessel is leveled within water depths up to 20 feet (6 meters) for anchoring, comfort and safety.

### WHAT ABOUT MOTION SICKNESS ONBOARD?

The stability provided by the spuds anchoring system is designed to avoid movement that can cause motion sickness: A factor that makes the ARKUP- LIVABLE YACHT as comfortable as a house on land.

### CAN I GO FROM MIAMI TO KEY WEST, TAMPA OR EVEN NYC?

The vessel can navigate within 20 nautical miles from the coast, depending on weather forecasts which determine the daily range capacity.

### ARE THERE ANY SPECIFIC REQUIREMENTS TO OPERATE THE FULLY-ELECTRIC POWERED VESSEL?

It requires the same boating experience than any other similar sized recreational vessel. An operational training and manual are provided to all customers.

### HOW MANY GUESTS AND CREW CAN STAY ON THE BOAT WHEN CRUISING OR AT ANCHOR?

ARKUP - LIVABLE YACHT can accommodate 6 to 8 people comfortably overnight. They can operate as recreational vessels with no limit on number of passengers (life vests required) or as charter vessels carrying up to 12 passengers, according to the US Coast Guards safety standards and regulations.

### CAN I USE AN ARKUP - LIVABLE YACHT AS A MOBILE BEACH HOUSE IN THE BAHAMAS?

Yes, owners of foreign registered boats (including the US) may keep their vessels in The Bahamas for one year without paying duty and may extend the one-year stay for two years by paying a fee of \$500. The initial entry fee costs \$300 to clear Bahamas Customs and Immigration and to obtain a cruising permit. After two years, the vessel would have to depart The Bahamas for one month before applying for a new cruising permit.

### HOW TO RECEIVE MAILS, PARCELS OR DELIVERIES?

Marinas can either provide concierge services; a mail box or one can use a PO Box at a local mail provider.

### DOES THE VESSEL NEED A CAPTAIN TO OPERATE?

To operate an ARKUP - LIVABLE YACHT is relatively easy. With adequate boating experience, one can Captain their own vessel with a completed training provided by ARKUP. A license and safety certification when required locally.

### WHAT KIND OF LICENSE AND INSURANCE ARE NEEDED?

ARKUP - LIVABLE YACHTS are registered and insured as pleasure boats. To operate them, most US States require a driver's license and boating safety certification for recreational use. For other countries, ARKUP may assist you.

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### CAN WATER SLIDES AND OTHER TOYS BE ADDED?

ARKUP - LIVABLE YACHTS provide plenty of storage space for toys and recreational items. Make the ocean your playground!

### HOW IS DISPOSAL OF SEWAGE AND WASTEWATER MANAGED ONBOARD ARKUP - LIVABLE YACHTS

Vessel operators are required to retain their sewage discharges on-board for disposal at sea (beyond three miles from shore) or onshore at a pump out facility. Black and gray waters are stored in a 3,700 GAL (14 m<sup>3</sup>) holding tank before being pumped out at either a marina or by a vessel design to pump out the waste. There are other options, such as using an approved United State Coast Guard Marine Sanitation Device (MSD) and then discharging within 3 miles off shore according to Clean Water Act regulations.

### HOW LONG CAN THE LIVABLE YACHT REMAIN OFF-THE-GRID (WITHOUT POWER & WATER)?

ARKUP - LIVABLE YACHTS can remain off-the-grid all year long depending on the weather (sun exposure /rain fall) in tropical regions. When there is no sun exposure to recharge the 182kWh battery, a full-charge can provide electricity to cover the house load needs for 3 to 4 days (without navigation).

The 3,700-GAL fresh water tank ensures 2 weeks of self-sufficiency for 6 people without harvesting any rainwater. If needed, the vessel can connect to shore power to refill the fresh water tank.

### IF I CHOOSE TO LIVE OFF-THE-GRID ON ARKUP LIVABLE YACHT HOW CAN I CONNECT TO THE MAINLAND SUCH AS SHOP, WORK, ATTEND SCHOOL?

A tender boat and access to land through an authorized public or private dock, or by renting a slip in a marina to dock while you're on land. There are many options of amphibious vehicles available on the market, which will allow you to access land through a public boat ramp. There are cities and locations that provide water taxi services.

### WHAT IS THE APPROXIMATE OPERATING COSTS OF AN ARKUP LIVABLE YACHT?

The cost is much less than a yacht of equivalent size (the annual operating costs of a yacht is typically 10% of its value). Compared to a traditional house, the maintenance is substantially equivalent (no garden or swimming pool to maintain, but the livable yacht must be cleaned regularly). If the livable yacht is docked in a marina, the slip rental costs will generally be considerably lower than the property taxes on a similar waterfront property.

### HOW IS TRASH AND GARBAGE HANDLED ONBOARD?

ARKUP - LIVABLE YACHTS have a dedicated trash room equipped with a trash compactor and recycling bins. The compacted trash is disposed ashore at public garbage facilities or marinas (a composter for organic waste is optional).

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