



# AFFORDABLE SUSTAINABLE AND ECO FRIENDLY HOUSING



Mitsumi Distribution is a Multinational company, established as a Free Zone Company of Dubai. The company has business verticals in Infrastructure, Institutional Buildings, Residential Building, Hospitality (Hotel), Solar Energy, Banking Sector & Distribution Industry. The company has footprint in Kenya, Tanzania, Ethiopia, Uganda, Rwanda, Nigeria, Ghana, Cameroon, Algeria, UAE, Oman, Qatar, Bahrain, Kuwait & Jordan. The company understands the market of African construction industry. Mitsumi Distribution is engrained in Nairobi, Kenya since the year 1996 with the aim of introducing appropriate and affordable technologies to Africa, we are a Pan Africa Distributor. In Africa, Mitsumi Distribution through 10 warehouses and 8 service centers in Africa and a strategic motherhub warehouse located in Jebel Ali, Dubai provides a wide range of supply chain solutions for all categories of Information Technology products (PCs, PC building blocks, networking, software and enterprise solution products) and Consumer and Lifestyle products (Telecom, Entertainment products and Digital Printing Machines) for the leading brands which have been dominating for years. Mitsumi's regional geographical coverage and extensive customer base has made the group the largest and fastest growing distributor in Africa. We will remain invested and create new business avenues to enhance lifestyles in Africa. We have established a reputation as one of the most dependable and customer centric distributor in Africa.

## AFFORDABLE SUSTAINABLE & ECO FRIENDLY HOUSING

Mitsumi Distribution FZCO is a perfect blend of entrepreneur and technocrat. We have well experienced and dedicated team who deeply envision and strengthen our company. We clearly understand that to buy a house remains to be one of the main aspirations of any person.

We have adopted "Monolithic Concrete Construction system using Aluminium Formwork Technology" for Eco-Friendly Housing.

## OUR VERTICALS

We ardently adopt Self-Sustainable Technologies for Affordable Eco-Friendly houses by using Renewable Energy Resources which includes

**Solar Roof-Top / Mini Solar Grids**

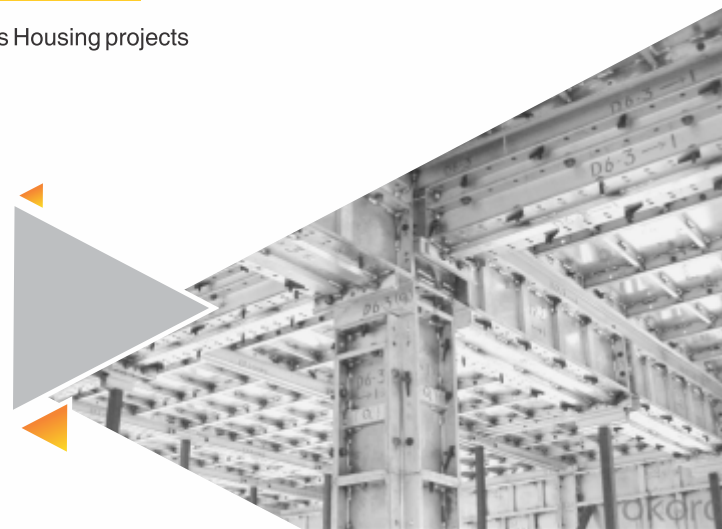
**Waste Management System**

**Water Recycling System**

## OUR DEMONSTRATED CORE CAPABILITIES

Mitsumi Distribution FZCO has proven capability of executing numerous Housing projects among which some of them are listed below:

- ▶ **Golden Tulip Hotel** in Nairobi, Kenya.
- ▶ **Mitsumi Business Park** in Nairobi, Kenya.
- ▶ **Stellato - The Mall Mitsumi** in Nairobi, Kenya.
- ▶ **Grand Sapphire Hotel** in Nairobi, Kenya.
- ▶ **Ashtmangal Heritage Housing Complex**, Ahmedabad, Gujarat
- ▶ **Castle Villas** in Vadodara, Gujarat.
- ▶ **Ashtmangal Orchid Housing Project** in Ahmedabad, Gujarat.
- ▶ **Luxury Housing (Ashtmangal Bungalows)** in Ahmedabad, Gujarat
- ▶ **Construction of 1,25,000 Sq.ft. warehousing project** in Mumbai.



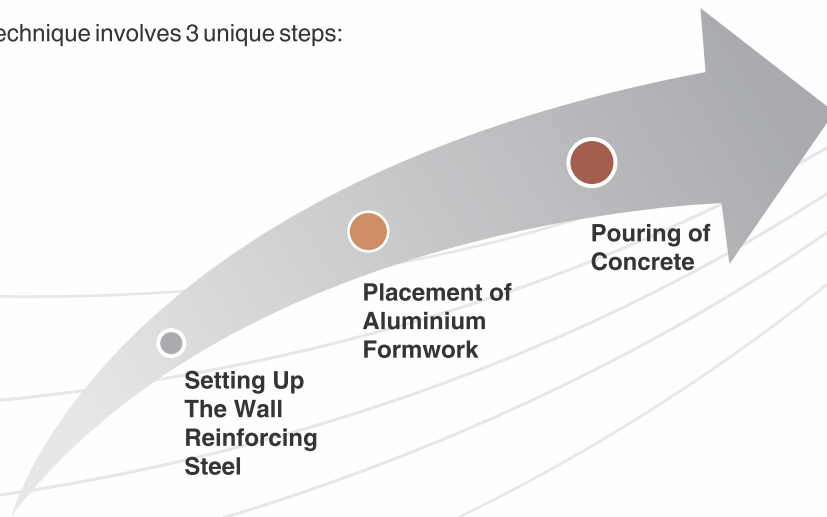


## ALUMINIUM FORMWORK TECHNOLOGY

### MONOLITHIC CONCRETE CONSTRUCTION SYSTEM USING ALUMINIUM FORMWORK TECHNOLOGY

Mitsumi Distribution FZCO also adopting this technology and developing so many projects. This technology is fast-paced construction technique which offers strength and durability to a building by use of aluminium formworks. With a growing focus on affordable homes and "Housing for All", real estate stakeholders are increasingly emphasising on the use of new and innovative construction techniques.

This construction technique involves 3 unique steps:



### MERITS OF THE ALUMINIUM FORMWORK TECHNOLOGY

- Speed
- Demands Less Labour
- Seismic Resistant & Durable
- Less Maintenance
- Smooth Finish
- Higher Carpet Area
- Earthquake Resistant





## ALUMINIUM FORMWORK TECHNOLOGY

### PROCESS OF ALUMINIUM FORMWORK TECHNOLOGY

#### ▶ **Setting Up The Wall Reinforcing Steel –**

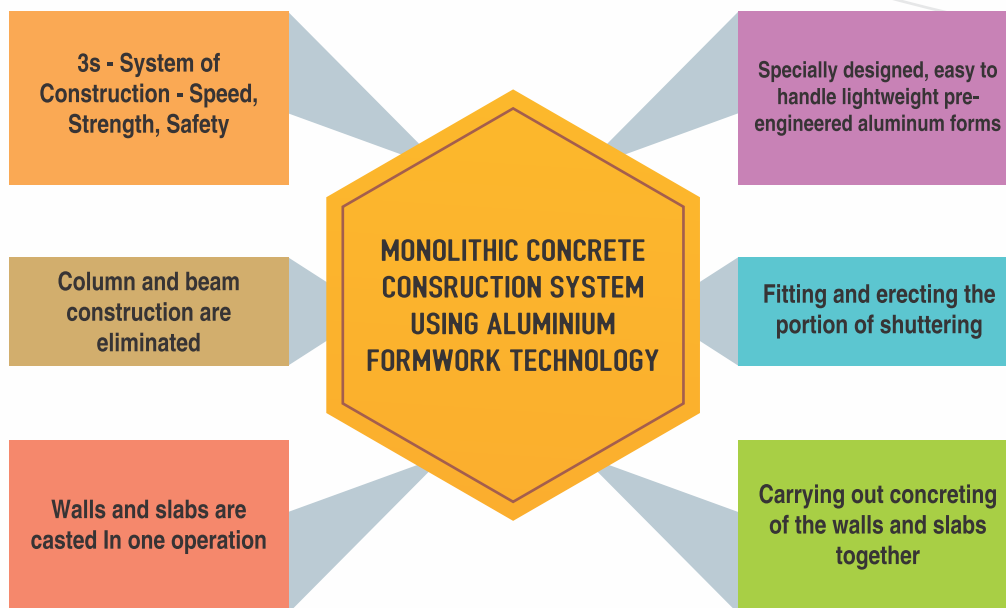
- This is used to provide structure to the building and support the concrete till they gain 50 percent of the essential strength.
- The aluminum formwork is cast around the factory-made steel mesh which is directly erected on the construction site.

#### ▶ **Placement of Aluminium Formwork –**

- Along the wall reinforcing steel, floor slabs, and room-sized walls are erected.
- The aluminium alloy slabs are very easy to handle and are also very precisely made. These are also pre-integrated with spaces for, windows, doors and ducts, other features like chajjas, staircases and façade panels are also integrated.
- The pin and wedge system is used to join these forms, these can be quickly dismantled once the concrete structure is ready.

#### ▶ **Pouring of Concrete –**

- After the forms are cast, high-quality concrete is poured in which takes the shape and form of the cast.
- The cast is later removed to make way for a hard-concrete structure supported by wall reinforcing steel.
- These aluminium forms can be reused for nearly 250 times, which means minimum wastage from the construction site.





MONOLITHIC CONCRETE  
CONSTRUCTION SYSTEM  
**USING ALUMINIUM**  
**FORMWORK TECHNOLOGY**



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