



SMARD
BUILDING MANUFACTURES

CAPABILITY STATEMENT

Smard is inspired by the endless potential of
prefabricated prefinished volumetric
construction (PPVC)

HEALTH CARE FACILITIES . EDUCATIONAL INSTITUTIONS . RESIDENTIAL . COMMERCIAL



*We offer complete design, build and maintenance services to deliver our clients
fully-finished, cost-effective and high performance buildings*

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WHO WE ARE

We are a leading provider of Design & Build Solutions and a pioneer of modular construction in the MENA region & India

Smard was incorporated in **2005** with capabilities to **provide specialist services to the construction industry**. Since then the company has grown continually over the years by taking a professional approach and focusing on the development of **new technologies**. Today, we offer turnkey design and build solutions for hospitals and are capable of **providing turnkey solution to hospitals, schools, residential, mixed-use and others** in the Middle East, Africa and India.

Our in-house innovative **Factory-Built** methodology of construction assures our Clients worldwide a **fast track** procurement and execution of projects.

Our construction capabilities covers projects on **green and brown fields/conversions** – according to which our **multidisciplinary designers, engineers and factory teams** will conclude the Ultimate Construction Solutions at highest quality in time.

We deliver high end technology, quality design, engineering, procurement, construction and project management services at good value and continually strengthen our solid reputation by providing practical and innovative technology and solutions to our valued clients in a most efficient and professional fashion. The organization is a family of over **1200 employees** with a global reach of **8 countries**.

OUR GLOBAL PRESENCE



INDIA

6/185 Ground Floor,
Defense Officers Colony, India
Tel: + 91 491 2971042



OMAN

P.O. Box 121, Muscat, Oman
Tel: +968 24128085
Tel: +968 91742686



UAE

P.O. Box 17 2544, Dubai
Tel: +971 4 2631308
Fax: + 971 4 263 1309



KENYA

P.O. Box 5538,
Nairobi, Kenya
Tel: + 254 752985675

OUR CORPORATE PHILOSOPHY



At Smard, we are excited that our vision to be the **First** choice in **Modular Construction** is coming through. After having established in India, UAE, Oman and Kenya.

Our Mission

To provide innovative solution for construction.

WE DO DESIGN & BUILD

A modern interior space featuring a long white dining table with white chairs, a kitchen island with a white countertop and black stools, and a large window with black curtains. The ceiling has a recessed light fixture and a gold-colored ceiling fan. The walls are white, and the floor is light-colored. The overall aesthetic is clean and contemporary.

FROM INCEPTION TO COMPLETION

- Concept Design and Modularization
- Architectural and Engineering Designs
- Construction : Civil, Architecture , MEP
- Medical Engineering

HEALTH CARE FACILITIES . EDUCATIONAL INSTITUTIONS . RESIDENTIAL . COMMERCIAL . HOTELS . MIXED-USE

OUR VERTICALS

01

Civil Construction

EXCAVATION | SHORING | DEWATERING
MASONRY | RCC

02

Modular Construction

MODULAR/PPVC | PRE-ENGINEERED
HOT-ROLLED | LIGHT GAUGE STEEL

03

Electro Mechanical Plumbing

HVAC | TESTING & COMMISSIONING
PLUMBING | FIRE FIGHTING | ELV/ELECTRICAL

04

Medical Engineering

MEDICAL GAS | MEDICAL OPERATING ROOM | P.T.S. | I.P.S.
NURSE CALL SYSTEMS | PENDANT | LEAD LINING & RF
SHIELDING | BED HEAD UNITS | CLEAN ROOMS

05

Joinery

DOORS | WINDOWS | FIXED CABINERY
GENERAL & CUSTOMIZED FURNITURE

06

Fitouts

DRY WALL | GYPSUM
CEILING WALLS | FLOORING



CONSTRUCTION METHODOLOGY

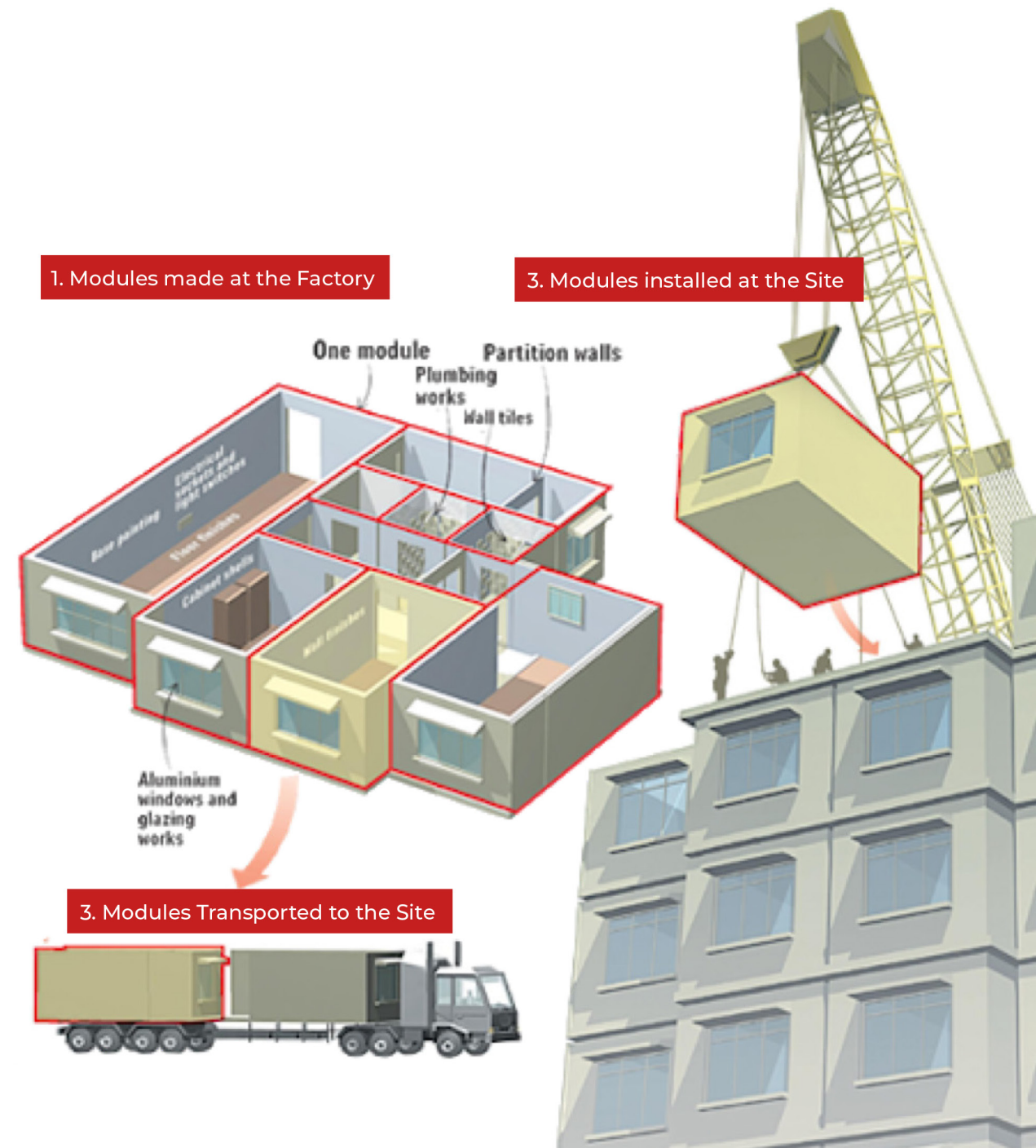
PREFABRICATED PREFINISHED VOLUMETRIC CONSTRUCTION

PPVC : is a construction method whereby **free-standing** volumetric modules made up of multiple units complete with internal finishes , fixtures and fittings are manufactured in factories and are then transported to work on site for installation in a **Lego-Like** manner (**complete with finishes** for walls, floors , ceilings Including MEP) are: constructed and assembled.

Game Changing: PPVC is one of the game-changing technologies that support the **Design for Manufacturing and Assembly DfMA** concept to significantly speed up construction

Structural Stability and Integrity: At Smard modules structural grid is customized on project basis – **No Limitation**

Opportunity: Healthcare , Education, Housing , Offices ...





WHY OUR MODULAR / PPVC?

- **Single Source Construction** – All In-House & Expertise at ModCon
- **Immediate Mobilization** & Commencement of Works
- Building times are **reduced by 30% – 50%**, compared to conventional other construction method
- Modules manufactured under **factory controlled, safe conditions**
- Possibility of **24/7 in 3 shifts** per day securing fast track delivery
- Materials are not exposed to weather conditions, providing the highest **quality in hygienic** environment
- **Integration** of MEP and Medical Engineering System - 95% fitted for function
- Modules meet appropriate codes and **Adaptable** to country regulations
- Long **Life Span** as Required – **50 years** and more as required
- Flexibility to **relocate** the building – fully or partially - it is a **Mobile Assets**
- **Compatible** to implement in Project of **Combined Structural Systems**
- **Acoustic** Studies Considered
- **Tested** for regional **seismic** and extreme weather conditions
- **Sustainable** Manufacturing & Sustainable Building



*Our construction is customized to comply with
local and international codes of
Green Building/ Environmental Requirements*

SUSTAINABILITY

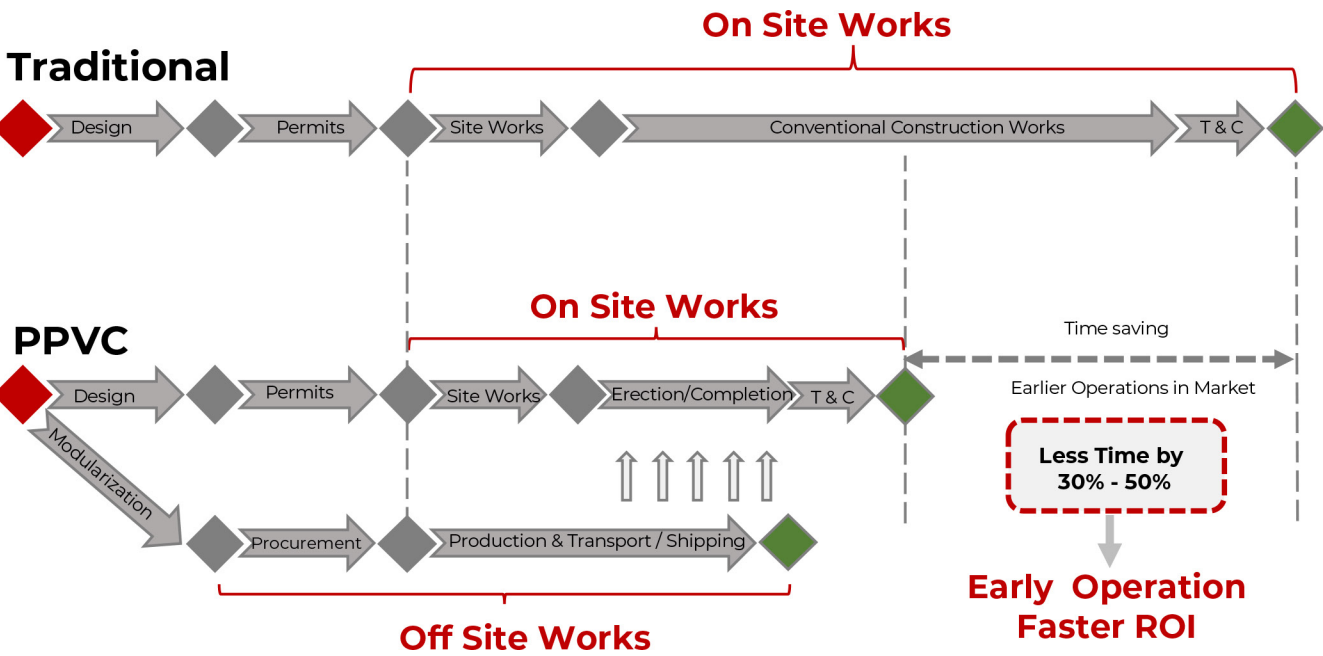
MANUFACTURING SUSTAINABILITY

- Modular buildings are manufactured in controlled environments, **hygienic** , minimal exposure to outdoor weather conditions
- Modules building materials are **Recyclable**
- Offsite construction uses less energy , safer , **less emission of CO2** and Modular can be built to the exact same standards as traditional

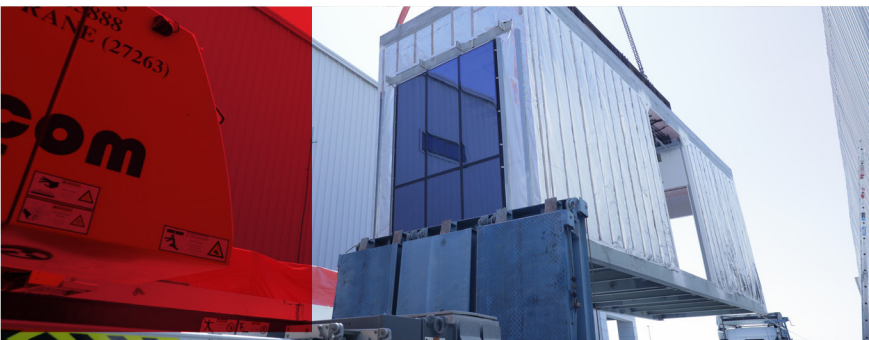
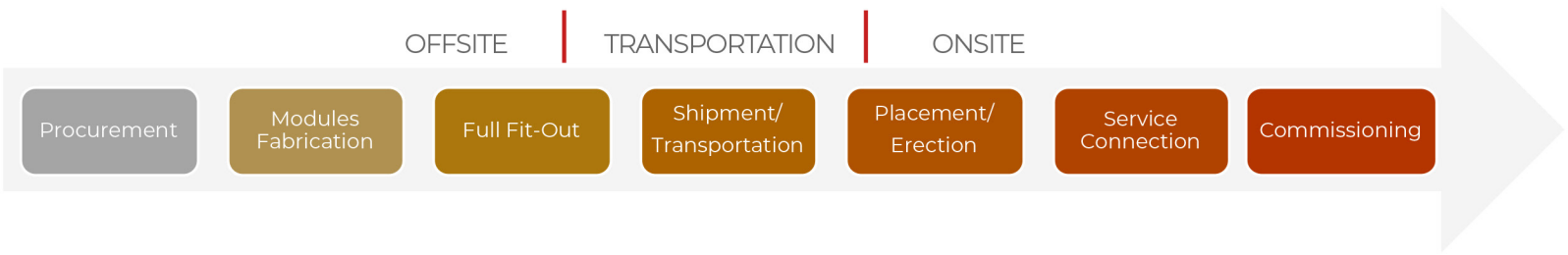
BUILDING SUSTAINABILITY

- High Level of **thermal insulation**, efficient HVAC and control system for energy saving
- **Low VOC** Materials are used and minimal embodied carbon in materials , high strength to weight ratio, ease of deconstruction and re-use.
- **Acoustic** studies considered and tested off-site

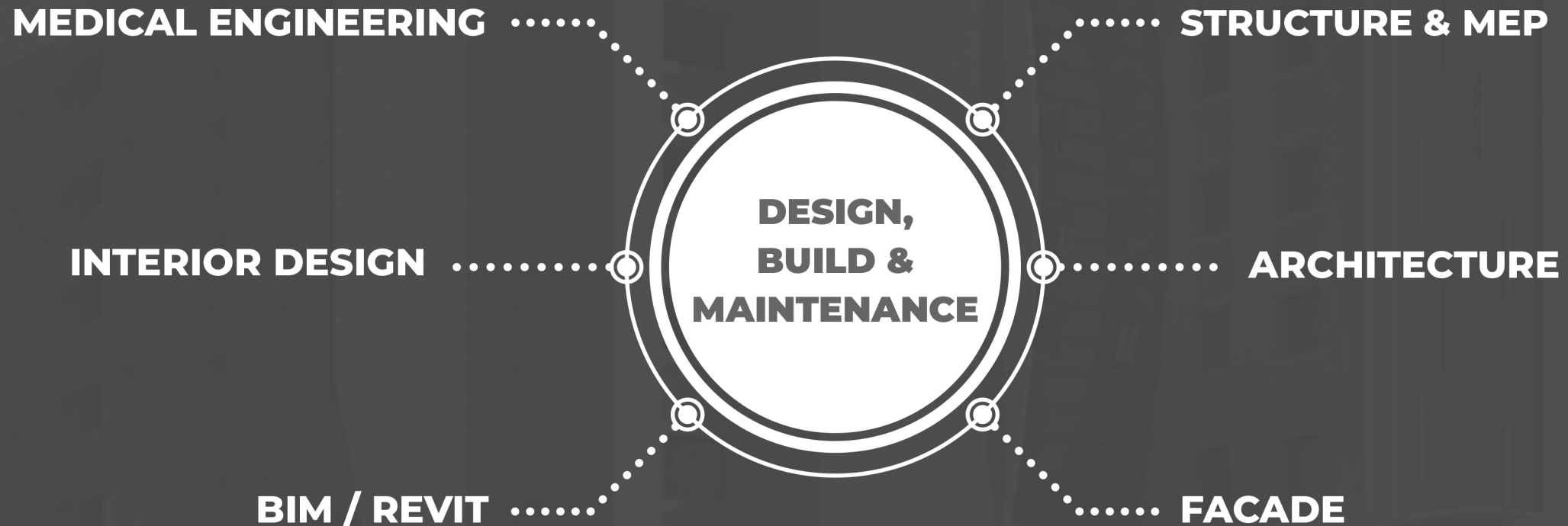
TRADITIONAL VS. PPVC



PPVC: Prefabricated Prefinished Volumetric Construction



OUR IN-HOUSE DESIGN CAPABILITIES



We offer complete design, build and maintenance services to deliver our clients fully-finished, high performance architecture design.

MAJOR PROJECTS

CHRISTIAN MEDICAL COLLEGE CHENNAI, TAMIL NADU, INDIA

BEFORE



AFTER



AVTIS HOSPITAL NEMMARA, KERALA, INDIA



MODULAR HOUSE PALAKKAD, KERALA, INDIA



B R LIFE HOSPITAL UDUPPI, KARNATAKA, INDIA



MODULAR BUILDING BANGALORE, KARNATAKA, INDIA





DESIGN & BUILD

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UAE | OMAN | INDIA | KENYA



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