A BREAKTHROUGH IN BUILDING TECHNOLOGY BORN IN FRANCE GOES INTERNATIONAL

THE JK STRUCTURE® TECHNOLOGY, FOR THE CONSTRUCTION OF HOUSES & BUILDINGS

A MONOLITHIC RCC CONSTRUCTION COMBINING A STAY-IN-PLACE FORMWORK
COLUMNS, BEAMS AND BRACING SYSTEM INCORPORATED IN LOAD-BEARING WALLS & SLABS

STRUCTURALLY INSULATED AND EARTHQUAKE-HURRICANE-TORNADO-FIRE-TERMITE-RODENT-RESISTANT,
BUILT ENTIRELY “ON SITE” (NO-PREFAB), IN RECORD TIME, WITH MINIMAL MANPOWER, EQUIPMENT & LOGISTICS

- NO PREFAB: ALL BUILT & CUSTOMISED “ON SITE” FROM STEEL-FRAMES, EPS-ALLEVIATED-CONCRETE AND A MIXER-PUMP UNIT
- HIGH QUALITY & DURABILITY / UNMATCHED SHORT CONSTRUCTION TIME & COST-EFFECTIVENESS:
  ONE SINGLE & HOMOGENEOUS MONOLITHIC STEEL-REINFORCED AND EPS-ALLEVIATED-CONCRETE “SHELL”
  INCORPORATING A NETWORK OF COLUMNS & BEAMS AND A BRACING SYSTEM WITHIN LOAD-BEARING WALLS, SLABS AND ROOFS
  - NO FORMS, SHUTTERING, FRAMES OR CASINGS          - HIGH STRUCTURAL STRENGTH OF WALLS & CEILINGS
  - INSULATION “INCORPORATED” IN WALLS, FLOORS & ROOF       - WIRES & PIPES CONCEALED WITHOUT SCISELLING
  - REQUIRES MINIMAL CONSTRUCTION-EQUIPMENT & TOOLS, MINIMAL LOGISTICS, & NO SKILLED CONSTRUCTION WORKERS

- MINIMAL & NON-SKILLED MANPOWER / MINIMAL CONSTRUCTION TIME / MINIMAL CONSTRUCTION EQUIPMENT / MINIMAL LOGISTICS
  EXAMPLE: A 250m² G+1 “CONCRETE-SHELL” RAW-HOUSE (as shown below) ENTIRELY BUILT “ON SITE” BY 5 MEN IN 10 WORKING-DAYS

- SOUND, SAFE, HEALTHY, ENERGY EFFICIENT & ENVIRONMENTALLY & CULTURALLY FRIENDLY HOMES
  - WALLS THAT PERSPIRATE (NO MOISTURE TRAP) / COMPLETE THERMAL & SOUND INSULATED EPS-CONCRETE STRUCTURE
  - NON FLAMMABLE, NO TERMITES, INSECTS, RODENTS, FUNGUS
  - ENVIRONMENT FRIENDLY, WITH NO CLAY, NOR WOOD CONSUMATED FOR WALLS OR ROOFS
  - TOTAL, STYLE & ARCHITECTURAL FLEXIBILITY

HOUSES & SMALL BUILDINGS

HIGH RISE BUILDINGS

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JK STRUCTURE IN CIVIL WORKS

JK STRUCTURE is exceptional and quasi-unique in many areas; examples of areas of utilisation

1. SOILS: Stabilisation through vegetalization of slopes & embankments; without the need of concrete nor retainer walls

2. PUBLIC WORKS: Tunnels, vaults, arches, sewages, conduits; reinforced with an exceptionally thin & resistant layer

3. ROADS. Reinforcement of the granular sub-base of roads, leading to reduced costs and increased durability

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