



JK STRUCTURE

SUBMISSION OF

GLOBAL EXPRESSION OF INTEREST (EOI)

9.

Success Stories

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SUCCESS STORIES

As Explained in full details in the presentation of the JK Structure Company and of the JK Structure System, JK Structure's main focus was distracted to Civil Engineering and Civil Works, where it has developed a major market share and even quasi-monopolies in certain areas, like slopes and embankments, tunnels, roads, including with the French and neighbouring Railways.

Nevertheless, JK Structure has from its inception encountered a series of major success stories in the area of construction of houses, of which the main are:

- The construction of over 50 upmarket residential properties throughout France and mainly on the French Riviera
- The extensive use of JK Structure for repair and refurbishment works to houses and buildings ruined by draughts or old age, making JK Structure entry into the major market of urban renovation
- The construction of the Theme Park Disneyland Paris
- The upper floors of a high rise building in Paris-La-Defense, the area in the outskirts where all high-rise buildings are confined (while banned in central Paris). JK Structure was selected here due to a last minute design change. The use of the JK Structure system, based on EPS-alleviated steel-reinforced concrete allowed the addition of several floors to the building without changes to neither the foundations nor the infrastructure of the building
- A series of houses within a residential compound in Marrakesh (Morocco)
- A relocation program in rural North Vietnam following the construction of a power-plant dam and the resulting flooding and destruction of several villages.
- A social housing program in rural areas of Peru

All of which are illustrated hereafter

CONSTRUCTION

LUXURY VILLAS

– PROVENCE - FRANCE

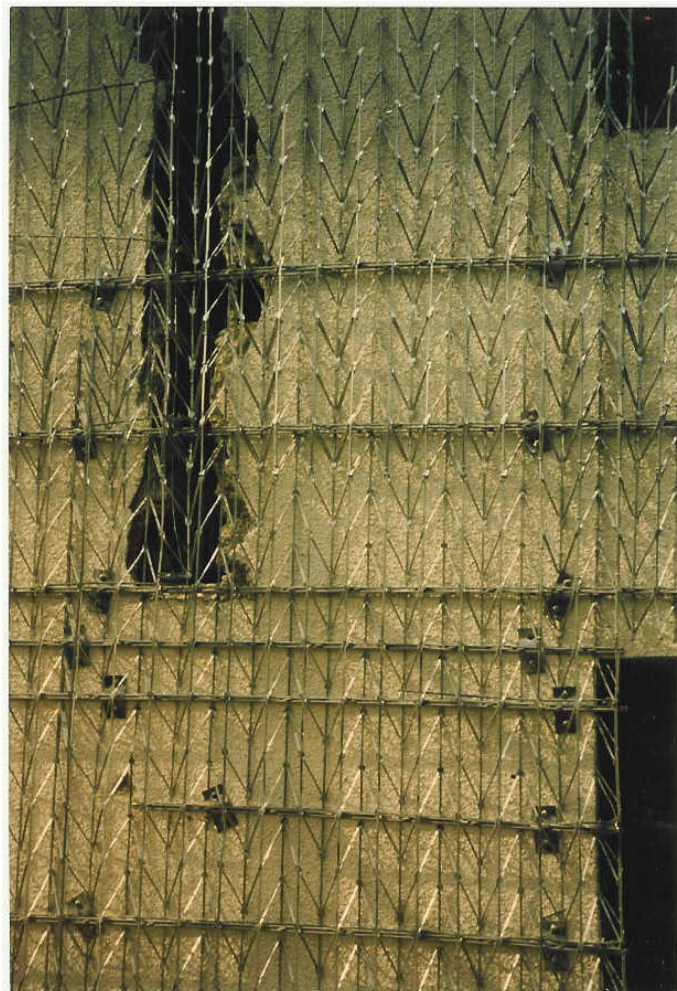
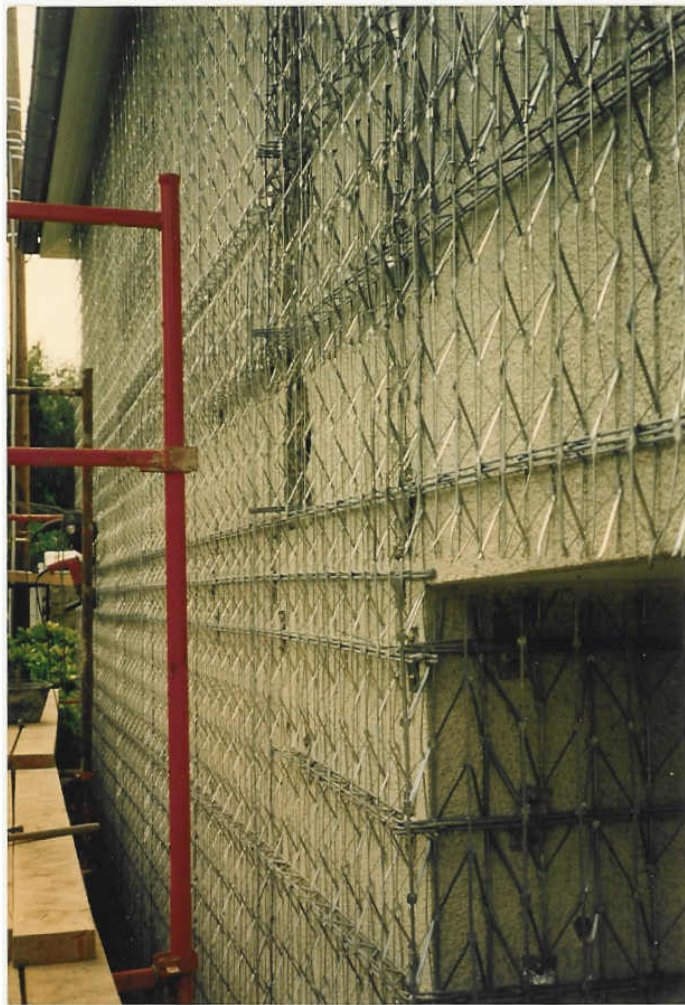


CONSTRUCTION LUXURY VILLAS, PARIS AREA



CONSTRUCTION

CONSOLIDATING RUINED OR DAMAGED HOUSES



CONSTRUCTION

LOW COST HOUSING PROGRAMS

SOCIAL PROGRAMS - RELOCATION PROGRAMS

MOROCCO



LOW COST HOUSING PROGRAM / RELOCATION PROGRAM

VIETNAM



LOW COST HOUSING / RELOCATION PROGRAM PERU



USA : ADVANCED US BUILDERS NOW START USING STEEL REINFORCED CONCRETE
For superior durability, Resistance to Earthquakes, Hurricanes and Tornadoes
And more generally for Unparalleled Safety and Security

A. THE CURRENT US CONSTRUCTION PROCESS

A1. Soldered rod mesh is connected with rebars.



A2. Aluminum Forms with Templates are positioned



A3. Forms are tied together with walk boards, in preparation for the pouring of the concrete



A4. Forms are removed



House is ready for mechanical inspection.



A5. Installing Windows & Doors



**A6. The roof is stocked and ready for the shingles to be installed.
And the walls to be insulated**



A7. Finished Home



The finished house is of excellent quality and durability....HOWEVER

B. USING THE JK STRUCTURE TECHNOLOGY

- **REDUCES COMPLETION TIME AND MANPOWER:**
 - **NO FORMS, FRAMES, CASINGS - NO CISELING FOR INSERTION OF WIRES & PIPES**
 - **THE INSULATING MATERIAL IS INCORPORATED IN WALLS & ROOF - NO TERMITES**
 - **LESS CONSTRUCTION EQUIPMENT - REDUCED LOGISTICS**
 - **LESS MANPOWER & LESS CONSTRUCTION TIME: 3 MEN & 10 DAYS FOR 150 M²**
- **INCORPORATES THE INSULATION IN WALLS, ROOF AND FLOORS IN ONE SINGLE & FAST PROCESS:**
 - **HEALTHIER & MORE ENERGY EFFICIENT HOMES**
- **ASSOCIATES THE ROOF WITH THE WALLS AND BASE IN ONE SINGLE SOLID HOMOGENIOUS CONCRETE STRUCTURE:**
 - **THE ENTIRE CONSTRUCTION IS EARTHQUAKE, HURRICANE & TORNADO PROOF**

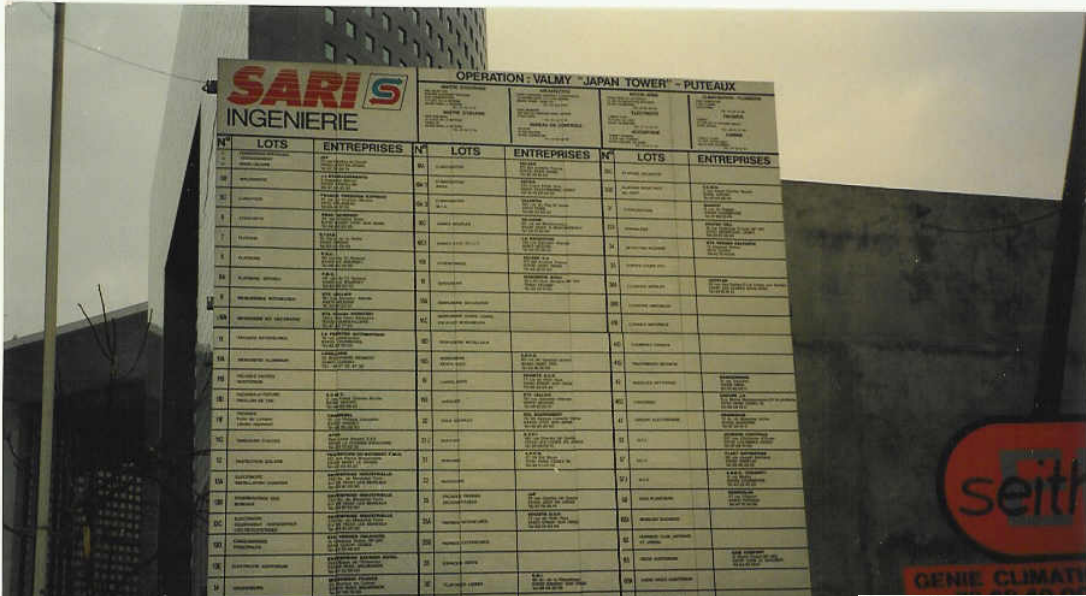


FINISHED & DECORATED HOUSE

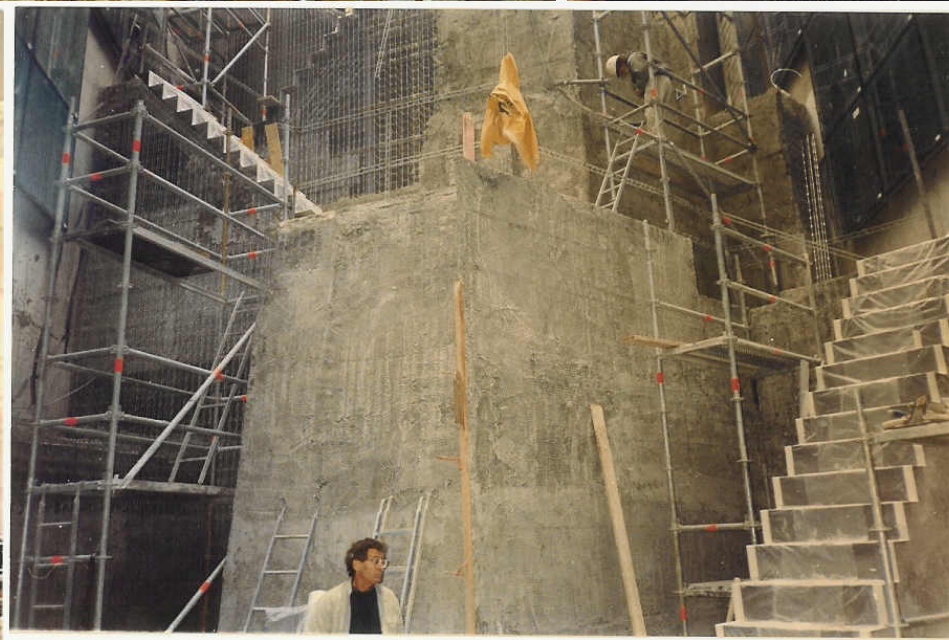
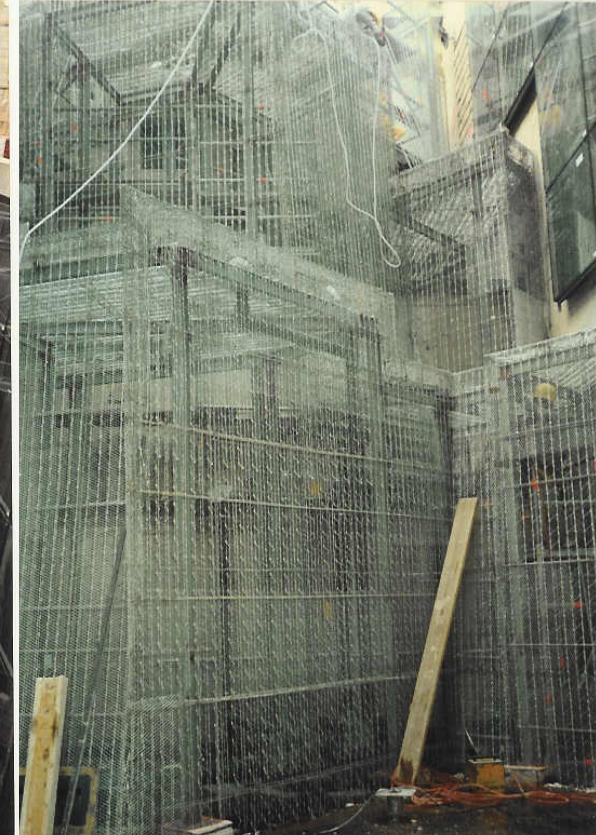


II. JK PANELS IN HIGH-RISE BUILDINGS

PARIS-LA DEFENSE – SARI – TOUR JAPAN TOWER



II. PARIS – LA DEFENSE – SARI – TOUR JAPAN TOWER – II. A. INTERNAL STRUCTURES









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SUCCESS STORIES

CONTINUED

Although it is beyond the scope of this project, a presentation of the achievements of JK Structure would not be complete if it did not also present the other side of the Business activities of JK Structure, which is in INFRASTRUCTURE

JK Structure enjoys a quasi monopoly with the French Railways in the sector of

- Consolidation of soils (Slopes and Embankments) and the
- Construction, Repair and Maintenance of Railway, Subway and Road Tunnels

Not to mention the contribution of JK Structure to better Roads, thanks to its unique system of stabilisation and reinforcement of the Granular Sub-Base of Roads

All of which are illustrated in the last chapter in more details but cannot remain unnoticed at this stage

Last but not least, JK STRUCTURE has a JOINT PATENT for the Repair and Construction of Tunnels with

- FREYSSINET, the Civil works Contractor arm of VINCI, the world's largest Civil Works Contractor and with
- CEMENTS VICAT, France's second largest Cement Manufacturer after the World Leader CEMENTS LAFARGE

A summary of those key sectors of the Infrastructure Industry is attached heretp

JK STRUCTURE® IN PUBLIC WORKS

JK STRUCTURE® IS EXCEPTIONAL AND QUASI-UNIQUE IN SEVERAL AREAS OF UTILISATION

1. SOILS: **STABILISATION** & VEGETALIZATION OF SLOPES & EMBANKMENTS **WITHOUT THE USE OF CONCRETE NOR RETAINER WALLS**

STEP 1: ANCHORING THE JK STRUCTURE PANELS TO THE SLOPE



STEP 2: INSERTING STONES, SOIL, FRTILISERS AND SEEDS



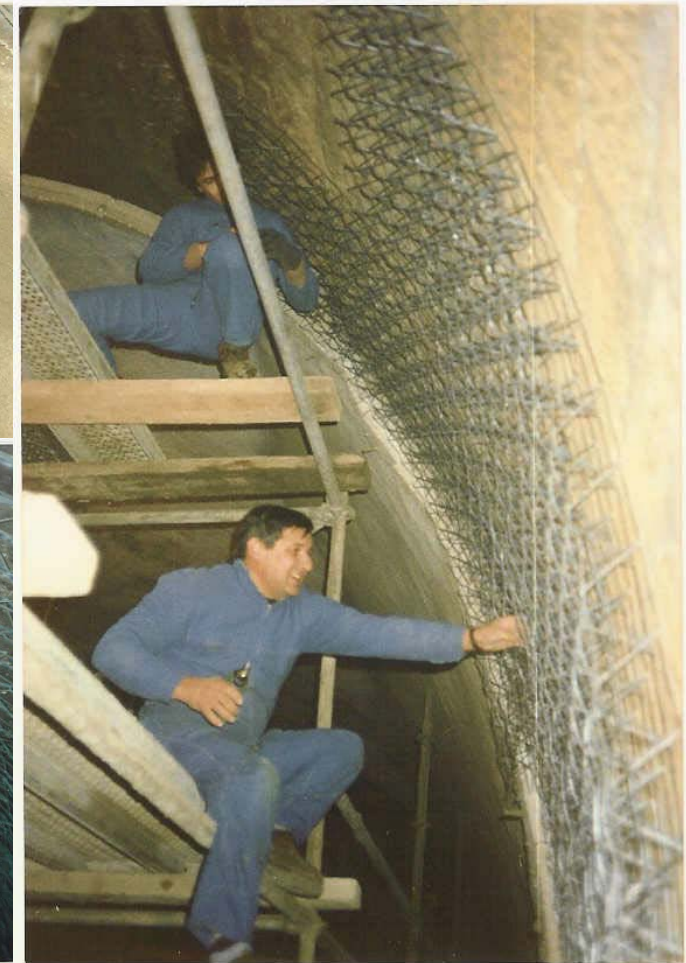
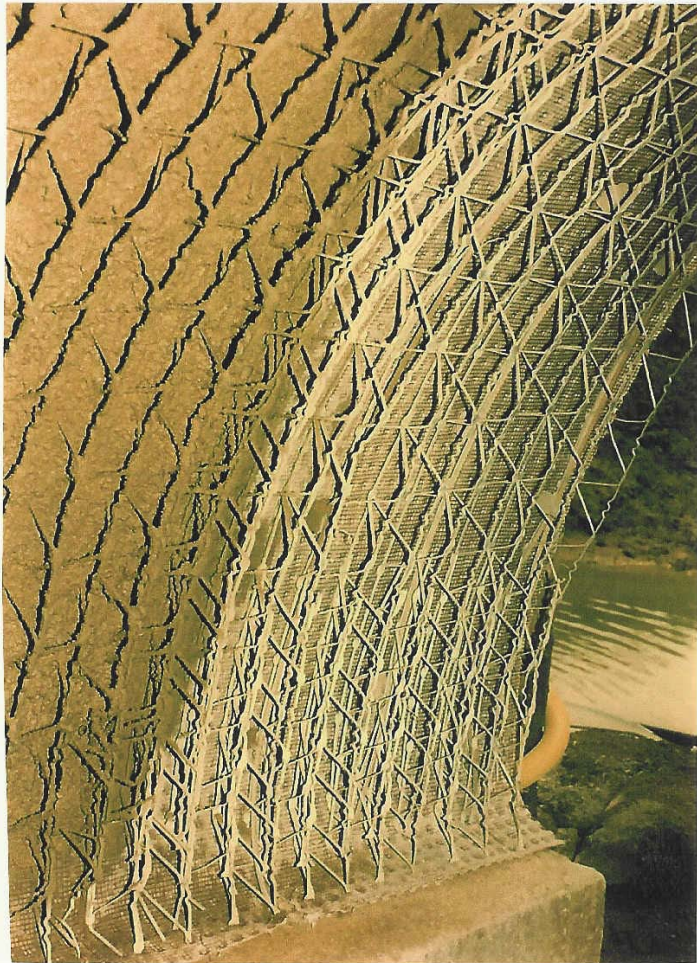
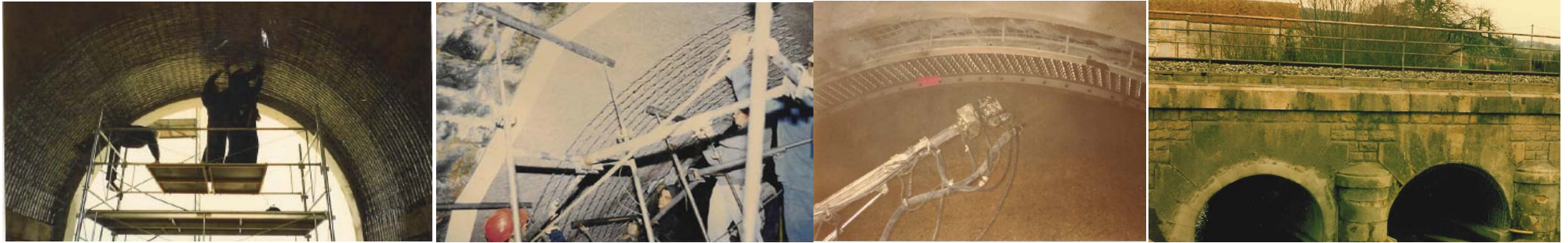
STEP 3: FINAL STAGE. THE STABILIZATION AND REVEGETALIZATION PROCESS IS COMPLETE



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2. PUBLIC WORKS: CONSOLIDATION AND CONSTRUCTION OF TUNNELS, VAULTS, ARCHES, SEWAGES, CONDUITS



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JK STRUCTURE® IN PUBLIC WORKS

JK STRUCTURE® IS EXCEPTIONAL AND QUASI-UNIQUE ALSO IN ROAD WORKS

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3. **ROADS.** JK STRUCTURE IS UNIQUELY SUITED FOR THE CONSOLIDATION / STABILISATION OF THE GRANULAR SUB-BASE OF ROADS, LEADING TO REDUCED COSTS AND INCREASED DURABILITY AND LONGEVITY

