



civil engineers contractors

GROUP PAPAECONOMOU LTD



GROUP
LEONIDAS G. PAPAECONOMOU L.T.D.
civil engineers contractors

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Gert Andersson
Manager Architecture Department

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Site Inspector

Pericles Betsios
Manager Precast Factory

John Voloveenis
Manager Glass Reinforced Plastics Factory

Petros Ivos
Administration and Financial Services

Antony Kikas
Legal Advisor

SUBSIDIARY COMPANIES

Conform - Hellas

Mould manufacture from glass reinforced plastics

"Building Systems KAISER-OMNIA Ltd."

Production and marketing of the

"FAST-BUILT-SYSTEM" (F.B.S.)



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ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

BACKGROUND

ΙΣΤΟΡΙΚΟ

Η σημερινή G.P. Ε.Π.Ε. είναι η εξέλιξη του τεχνικού γραφείου Λ. Παπαοικονόμου, Πολιτικού Μηχανικού - εργολήπτη, που άρχισε να λειτουργεί το 1960. Η επί 20 χρόνια δραστηριότητάς αναφέρεται στη μελέτη και κατασκευή ή μόνο στη κατασκευή έργων Πολιτικού Μηχανικού και κυρίως όπου χρειαζόταν υψηλή τεχνολογία και σύγχρονοι μέθοδοι κατασκευής.

ΟΛΙΣΘΑΙΝΟΝΤΕΣ ΞΥΛΟΤΥΠΟΙ

Στό ενεργητικό μας έχουμε π.χ. τις πρώτες στην Ελλάδα κατασκευές Σιλό και υψηλών βάθρων γεφυρών (70 μ.) με το σύστημά μας των ολισθαίνοντων ξυλοτύπων.

ΓΕΦΥΡΕΣ

Οι πρώτες σιδηροδρομικές γέφυρες στην Ελλάδα από προεντεταμένο σκυρόδεμα μελετήθηκαν και κατασκευάστηκαν από την εταιρία μας χάρις στην εφαρμογή σύγχρονων μεθόδων κατασκευής οι οποίες μας επέτρεψαν να υλοδοτήσουμε στους σχετικούς διαγωνισμούς.

ΕΤΟΙΜΟ ΣΚΥΡΟΔΕΜΑ

Τό 1969 συμμετέχουμε στην ίδρυση και λειτουργία του πρώτου στην Ελλάδα εργοστασίου έτοιμου σκυροδέματος με υπερασύγχρονες εγκαταστάσεις παρά τις άπαισιόδοξες προβλέψεις της εποχής εκείνης για την επιτυχία του.

Σήμερα λειτουργούν πάνω από 100 εργοστάσια έτοιμου σκυροδέματος αποδεικνύοντας έτσι ότι συμβάλαμε αρκετά στην εξέλιξη της οικοδομής.

ΚΑΛΟΥΠΙΑ ΑΠΟ FIBER-GLASS

Μελετώντας τις δυσκολίες στην εκτέλεση των έργων στη Μέση Ανατολή ιδρύσαμε στην Ελλάδα τό 1975 εργοστάσιο παραγωγής ειδών από ενισχυμένο πλαστικό (FIBER-GLASS).

Στό εργοστάσιο αυτό κατασκευάζονται τά διεθνώς ανα-

INTRODUCTION

GP Ltd. in its present shape is the outcome of the development of the Technical Office managed by L. PAPAECONOMOU, Civil Engineer - Contractor, which began operating in 1960.

Its activities over the last 20 years refer to desing and construction or just construction of civil-engineering projects and mainly those requiring advanced technology and modern construction methods.

SLIPFORMS

We are amongst the first constructors of Silos and high bridge piers (70 m) where use was made in 1965 of slipforms of our own device.

BRIDGES

The first railway bridges of prestressed concrete were designed and constructed by our office thanks to highly modern construction methods used which made it possible for us to be the successful bidders (1970).

READY-MIXED CONCRETE

In 1969 we participated in the setting up and operation of the very first factory in Greece for ready-mixed concrete using highly modern installations and this despite the pessimistic forecast at the time as to the success of the venture.

At present over 100 factories for ready-mixed concrete are in operation in Greece and this goes to prove that we have constructively contributed to the building industry.

G.R.P. MOULDS

In considering the difficulties encountered in the carrying out of projects in the Middle East we founded in Greece in 1975 a factory for the manufacture of

γνωρισμένα καλούπια μας για την παραγωγή ειδικών τεχνητών όγκολίθων από σκυρόδεμα, γνωστών ως (Tetrapods, Stabit, Dolosse, Tribars...) χρησιμοποιούμενα στους κυματοθραύστες.

Χάρis στα καλούπια αυτά πολλά από τα μεγαλύτερα λιμενικά έργα στην Σαουδική Αραβία, τό Μπαχρέιν, τά 'Ηνωμένα Έμιράτα κλπ. έτελείωσαν ένωρίτερα από τό πρόγραμμα μειώνοντας τό κόστος καί τόν χρόνο κατασκευής πάνω από τό 50% σέ σύγκριση μέ τίς μεθόδους πού έχρησιμοποιούντο μέχρι τότε.

Τό Τεχνικό Έπιμελητήριο τής Αγγλίας αφιέρωσε για τή νέα αυτή τεχνολογία ειδικό άρθρο στό περιοδικό του N.C.E. (NEW CIVIL ENGINEER).

ΠΡΟΚΑΤΑΣΚΕΥΕΣ

Μετά από έρευνα καί μελέτη 10 έτών δημιουργήσαμε καί εφαρμόζουμε σέ όλα τά οικοδομικά έργα πού εκτελούμε μία τελείως νέα μέθοδο άνοικοδομήσεως υπό τόν τίτλο "FAST-BUILT-SYSTEM" F.B.S.

Μία νέα εταιρία μας ή «ΔΟΜΙΚΑ ΣΥΣΤΗΜΑΤΑ KAISER-OMNIA Ε.Π.Ε.» σέ συνεργασία μέ τήν KAISER-OMNIA τής Δυτ. Γερμανίας θά άρχισή στό έργοσάσιό μας στόν Άσπρόπυργο Άττικής τήν βιομηχανική παραγωγή καί διάθεση τών προκατασκευασμένων τμημάτων του "F.B.S." στα οικοδομικά έργα.

Μέ τό ως άνω σύστημα κατορθώσαμε νά άποπερατώσουμε ένα ξενοδοχειακό συγκρότημα 5.000 Μ² κατόψεως σέ χρόνο μόνο 4 μηνών.

Η προσπάθειά μας μέ τή χρήση του "F.B.S." είναι νά μειώσουμε ακόμη τό χρόνο κατασκευής συντονίζοντας πιδ όργανωμένα τή συνεργασία μεταξύ τών τμημάτων Πολιτικού Μηχανικού - Αρχιτέκτονος καί Μηχανολόγου - Ηλεκτρολόγου.

glass reinforced plastics. The production of internationally recognised moulds of our own patent for the construction of breakwater armour units (Tetrapods, Stabits, Dolosse, Tribars...) actually began in the factory in question.

Thanks to these G.R.P. moulds many of the major harbour projects in Saudi Arabia, Bahrein and in the United Arab Emirates etc were completed in advance of schedule and the contractors were able to save over 50% in cost and time.

The Institution of Civil Engineers in England devoted a special article on this new technology in its magazine entitled NCE (NEW CIVIL ENGINEER).

PREFABRICATION

As a result of a 10-year research and study we have developed and we are actually applying in our building projects an entirely new building method under the name of "FAST-BUILT-SYSTEM" (F.B.S.).

A sister Company, namely "BUILDING SYSTEMS KAISER-OMNIA Ltd." in association with "KAISER-OMNIA" of Western Germany will commence the industrial production in our factory in Aspropyrgchos, near Athens, of precast F.B.S. elements for sale to the building industry and for export.

We have already succeeded in completing a hotel compound of a layout of 5,000 Μ² in the record time of 4 months (1978).

Our goal through applying the "F.B.S." is to reduce still further the construction time referred to above co-ordinating in a more organized manner our Civil Engineering, Architect and Electrical Engineering Departments.



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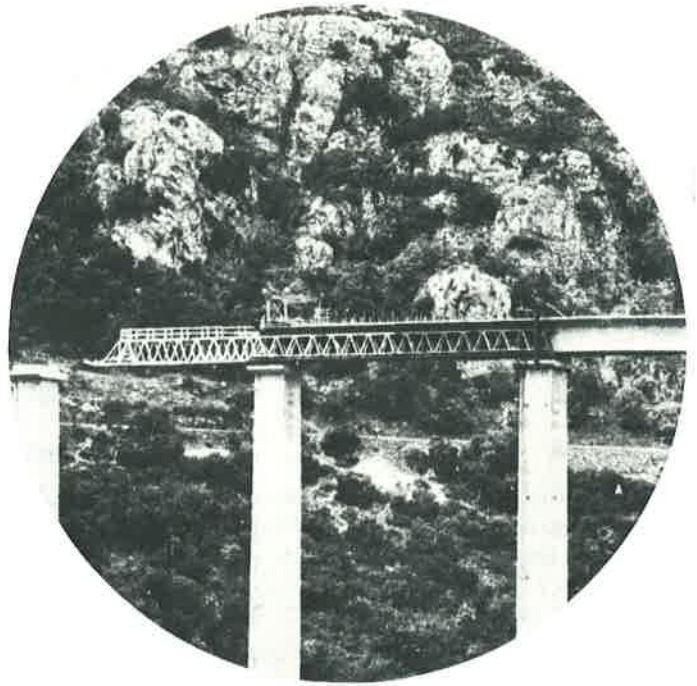
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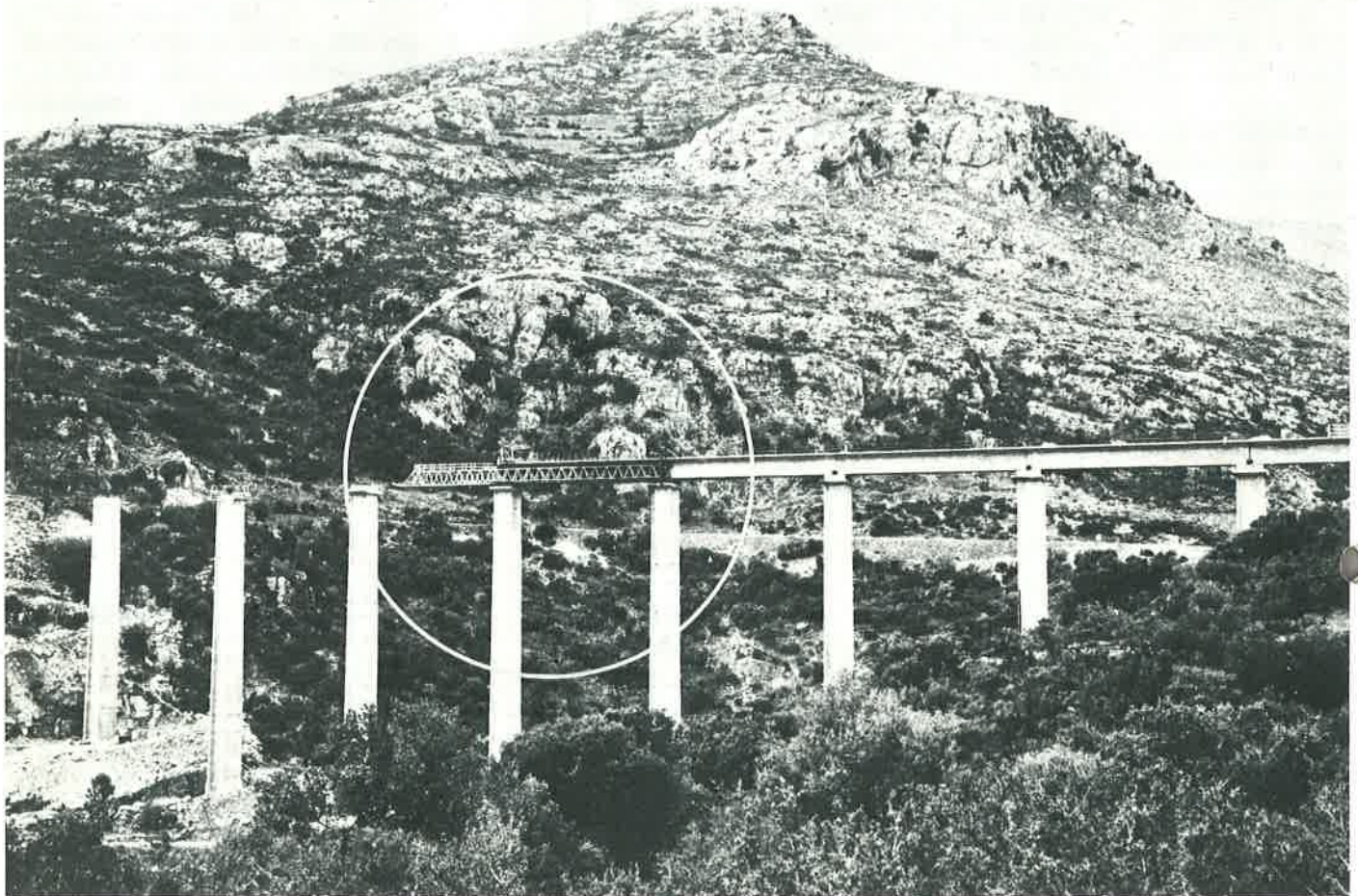
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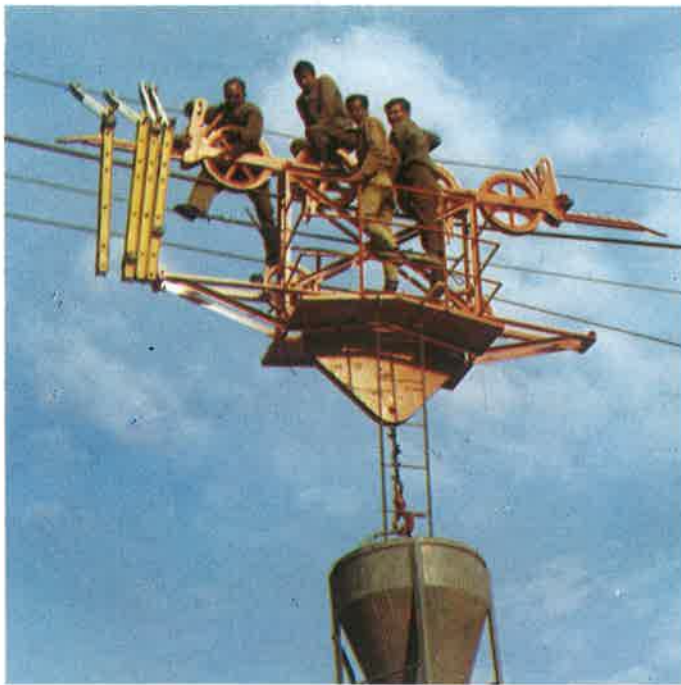


ACHLADOCAMBOS RAILWAY BRIDGE (DESIGN AND CONSTRUCTION)

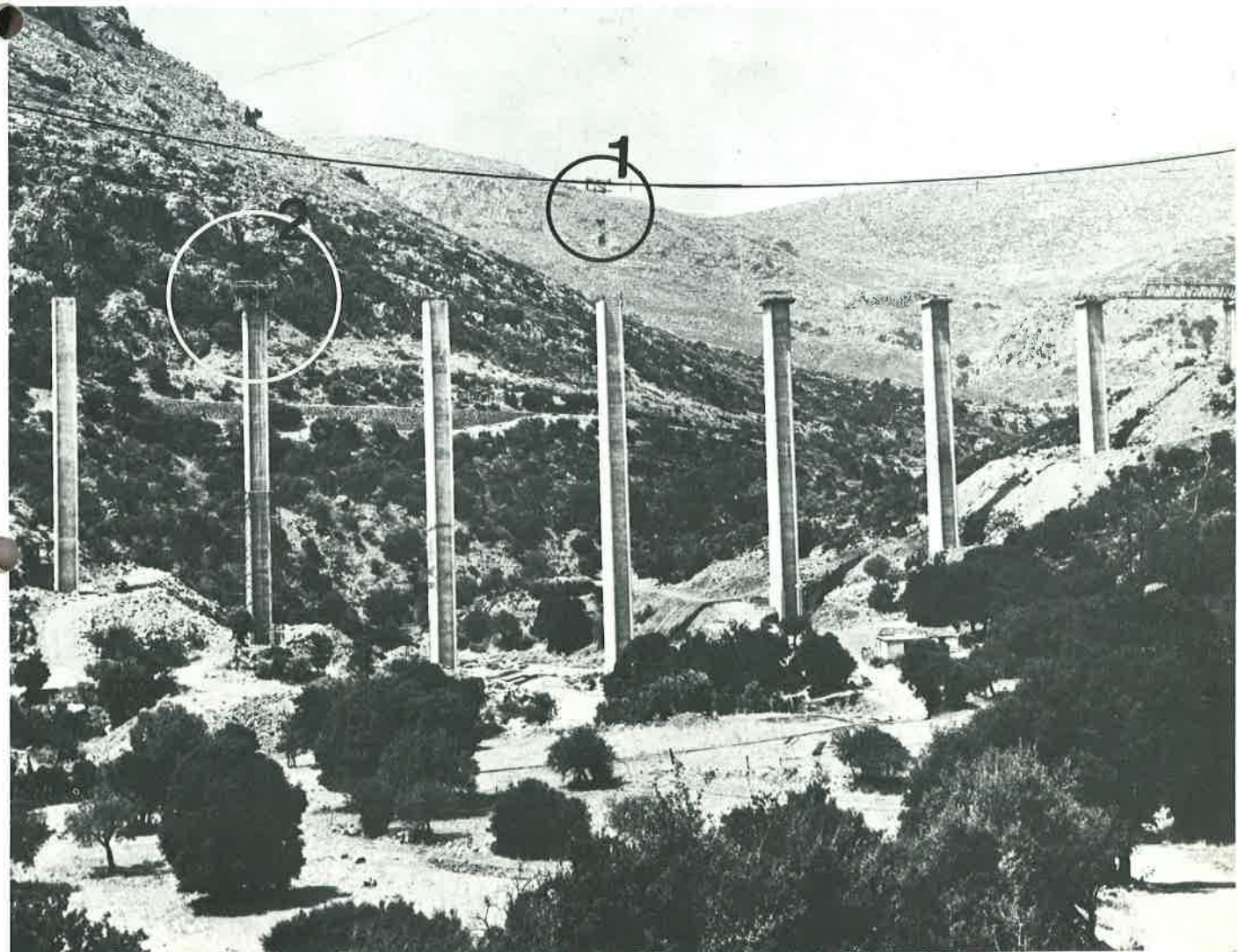


The first railway bridge in Greece made of prestressed concrete (1970).



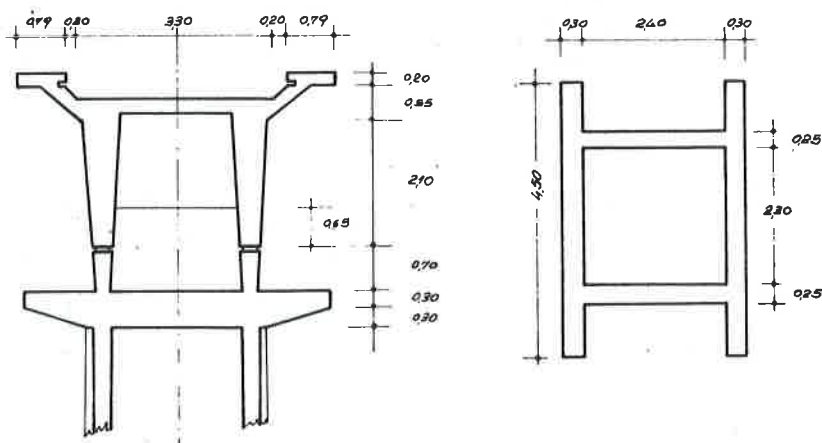


One of the bridge piers with the slipforms at the top.

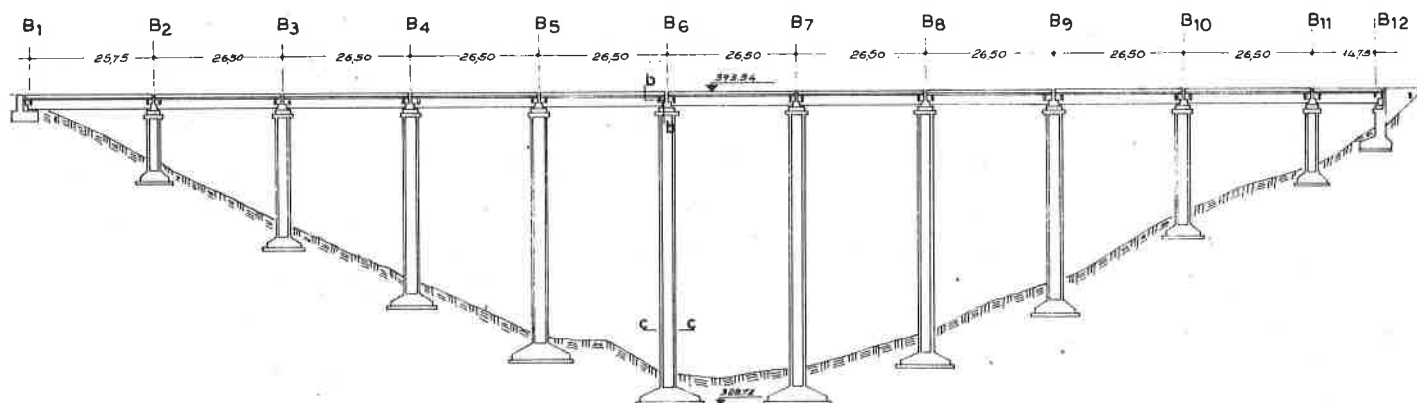


General view of the bridge and the cable-way carriage.

BETON 225	1400	m ³
BETON 300	1850	m ³
BETON 450	775	m ³
St III	260	t
150/170	35	t



Technical details of the bridge and general view of the completed project.





ARDAS RIVER RAILWAY BRIDGE (DESIGN AND CONSTRUCTION)

The second railway bridge, right after Ahladocambos, made of prestressed concrete. Total length: 600 m.





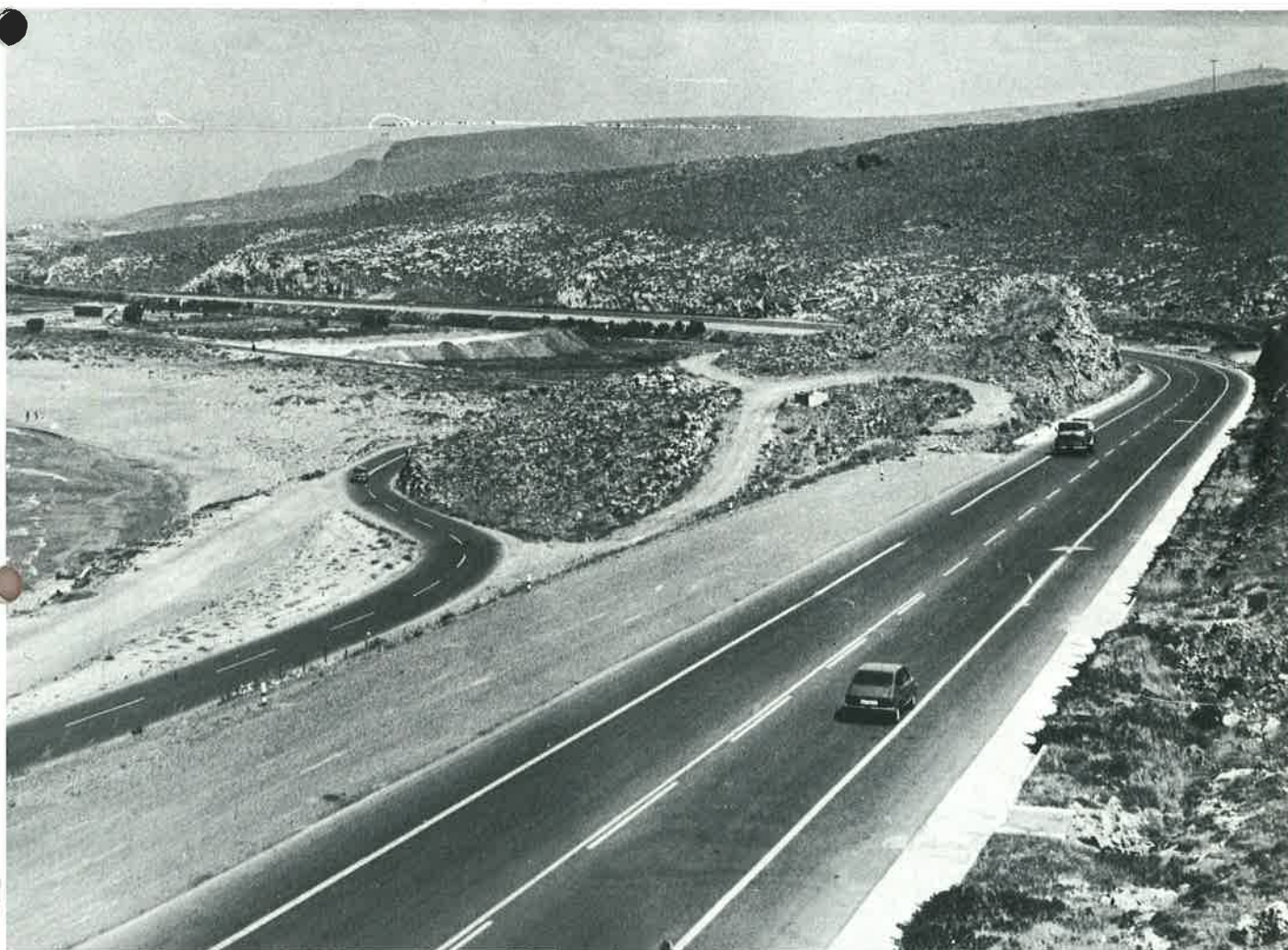
View of parts of the bridge.





ROADS AND HIGHWAYS

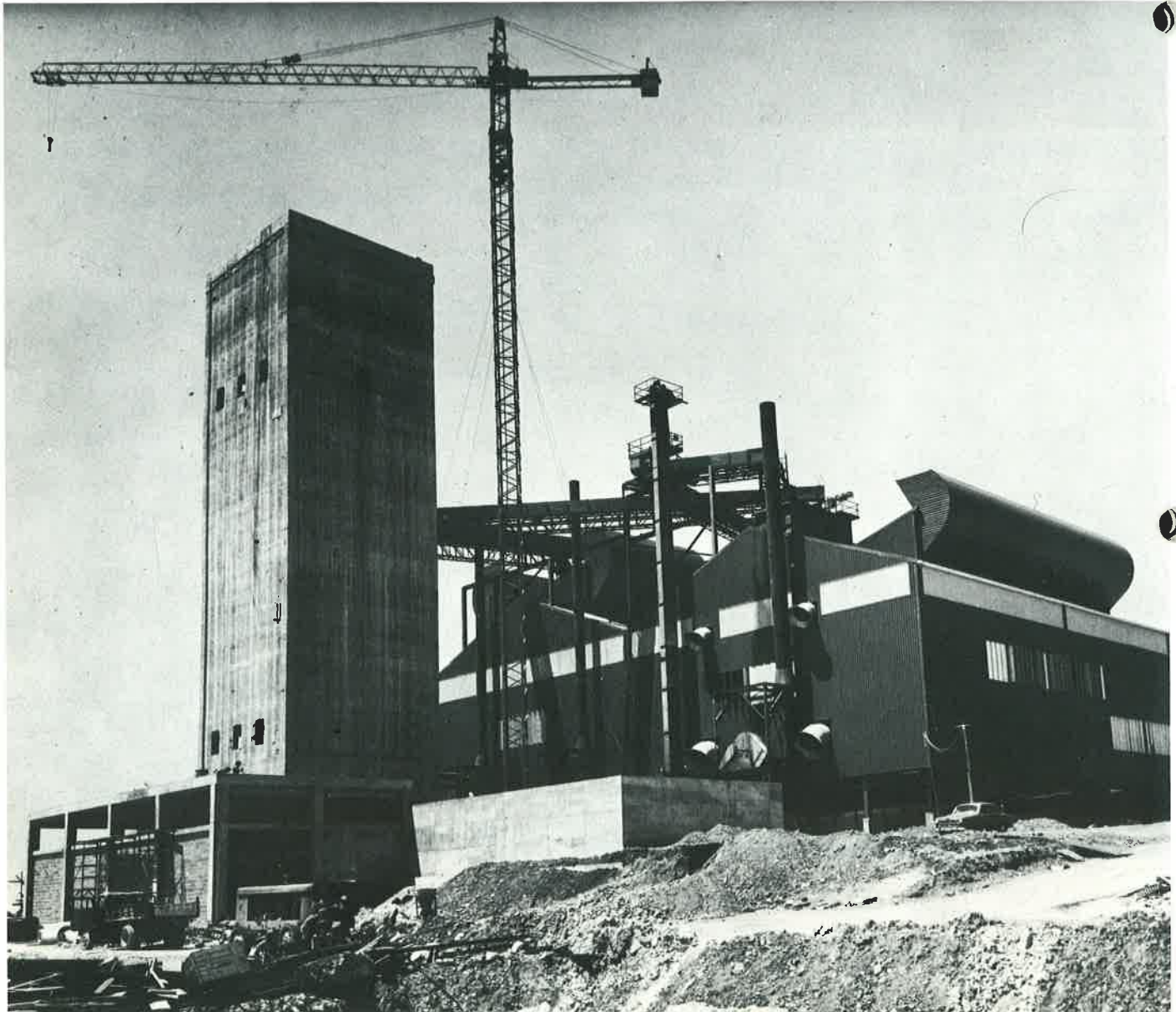
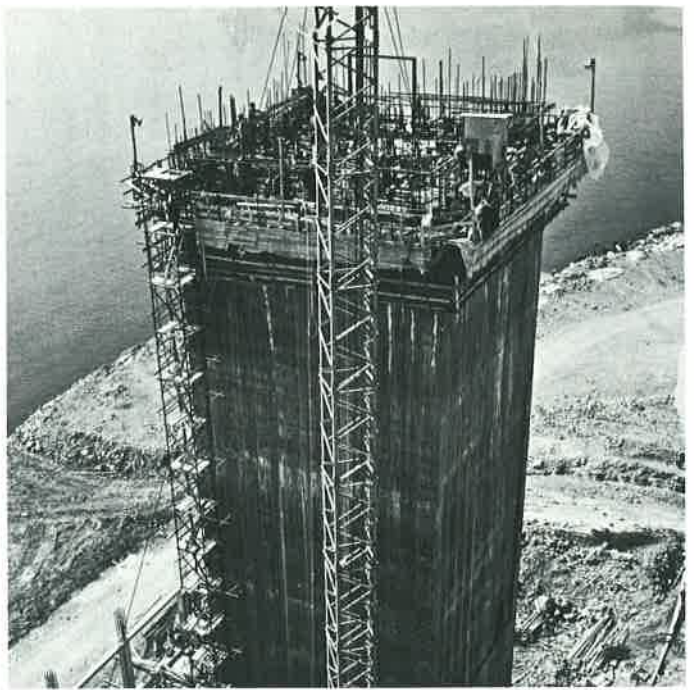
Construction of roads in Greece.





OWENS GLASS FACTORY IN ELEFSIS

The Company has completed the entire job, i.e. civil and electro-mechanical works on a lump-sum price contract.





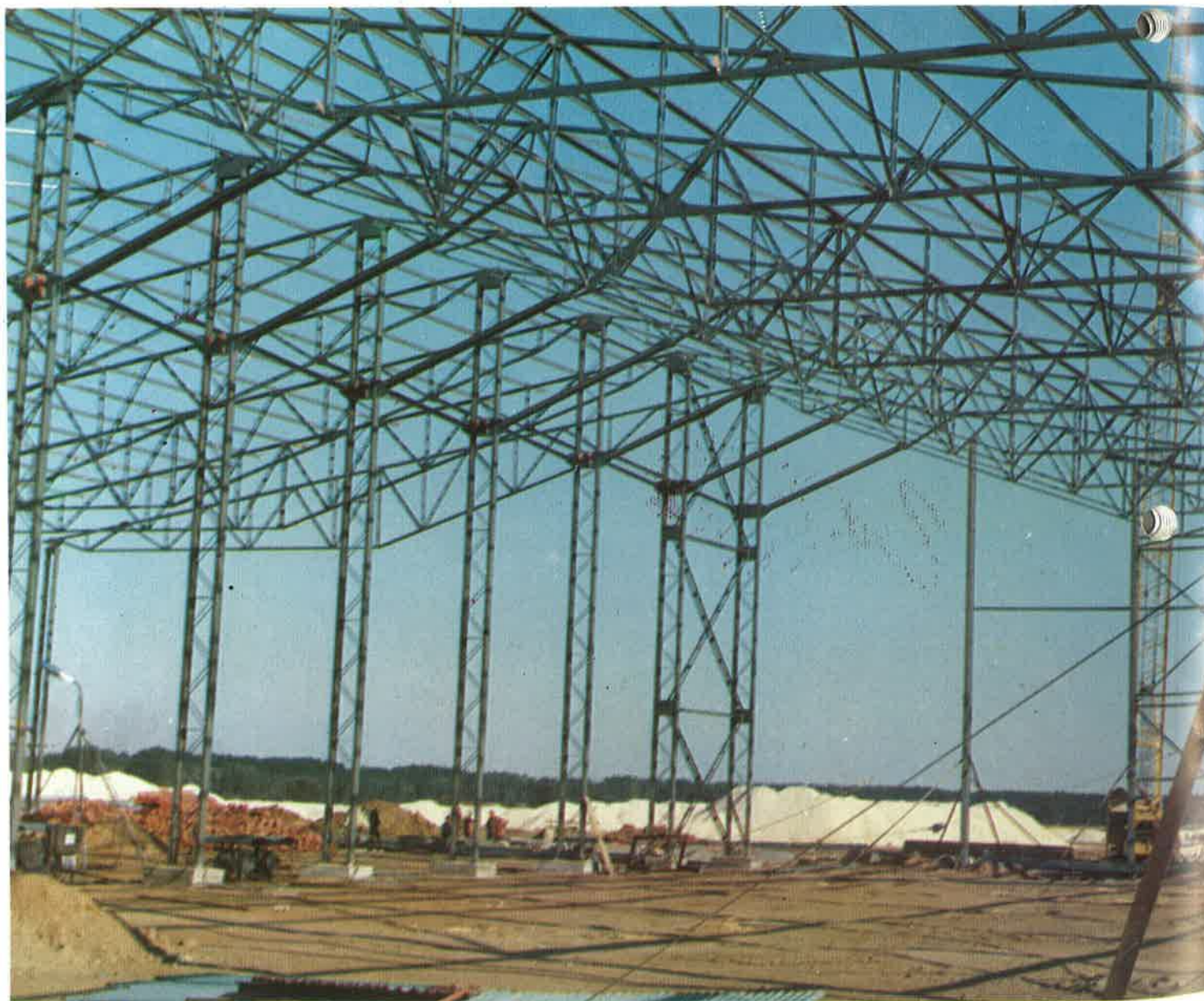
Views of the completed factory.





NEW SUGAR FACTORY IN ORESTIAS GREECE

In collaboration with POLIMEX-CEKOP of Poland,



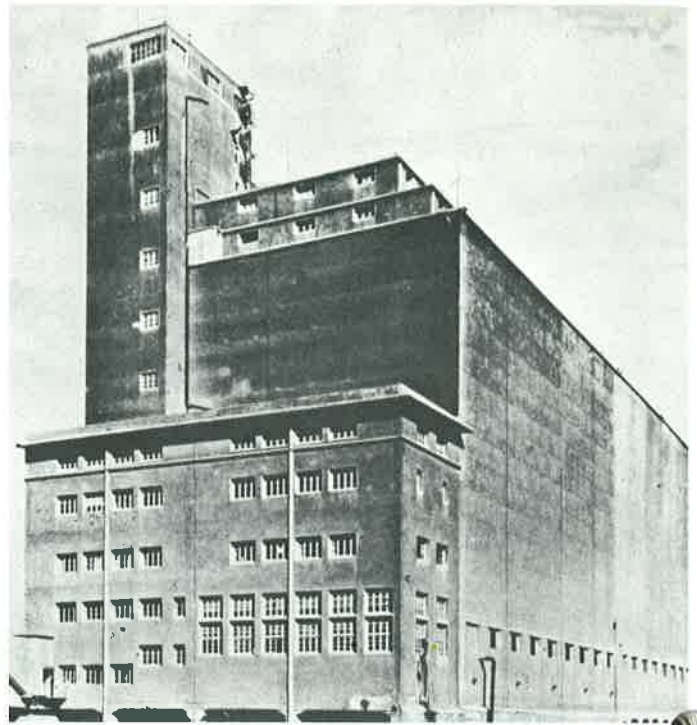


Various views of the Sugar Factory.

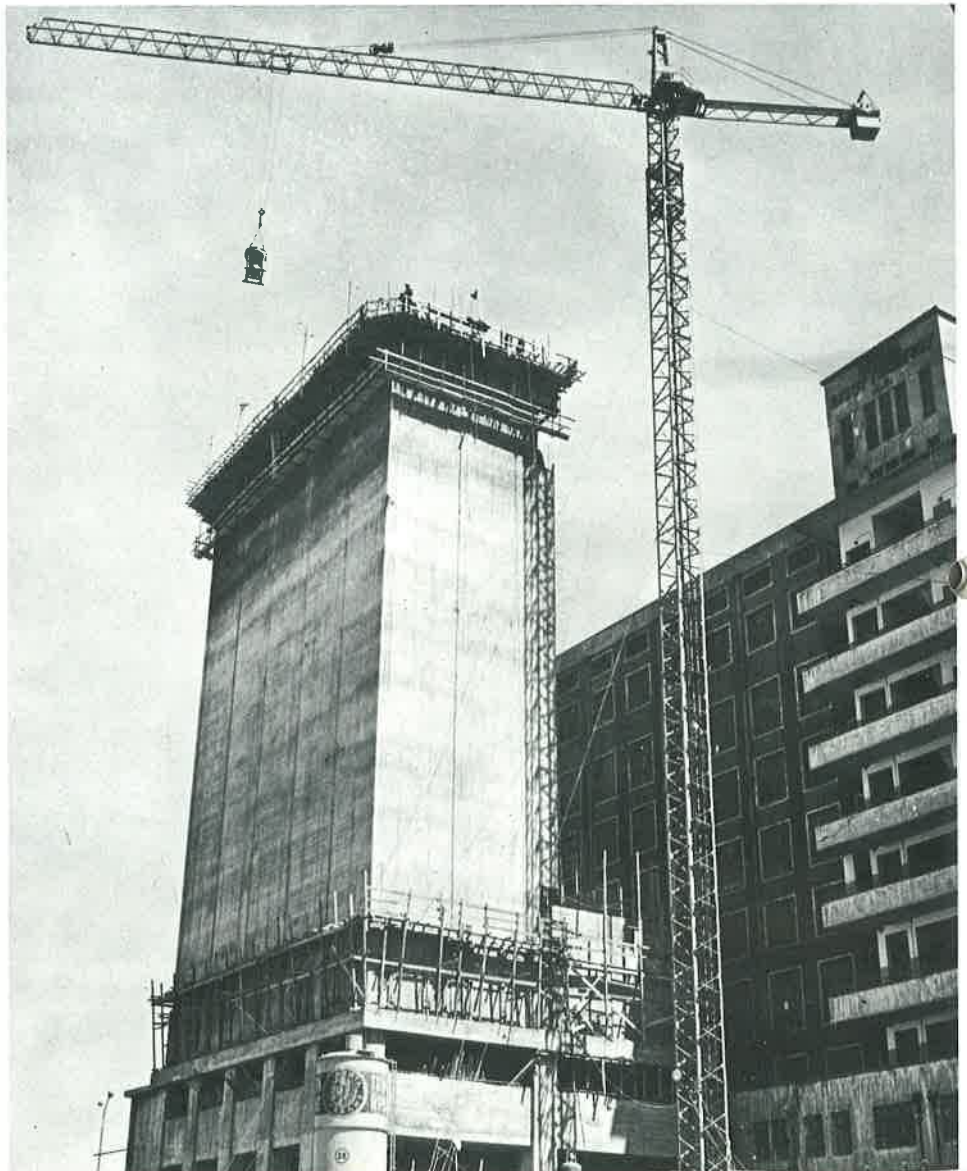




GRAIN SILOS IN PIRAEUS



With our slipform equipment in use.





E.T.B.A.
SCHEME

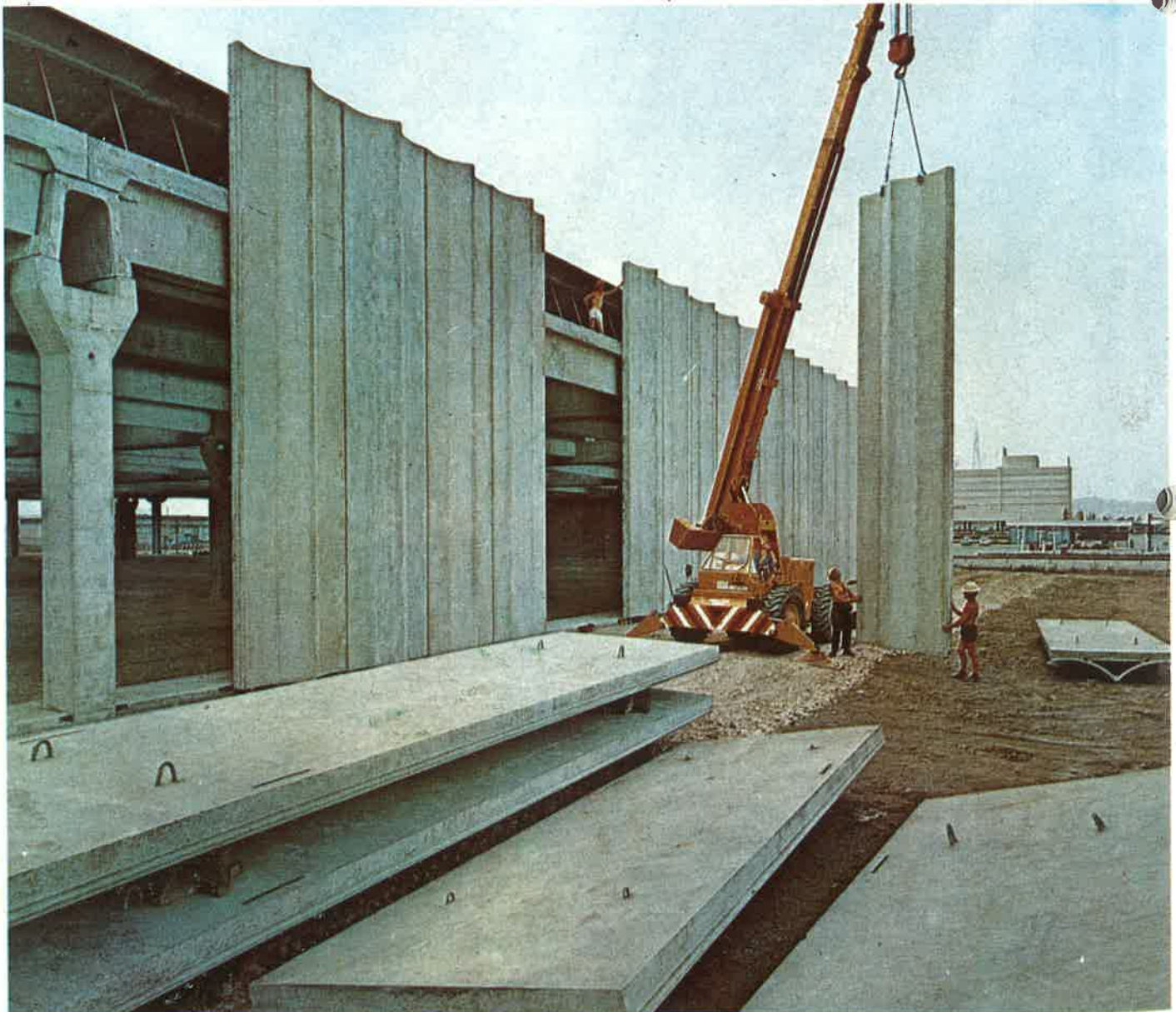
Proposal to E.T.B.A. (Greek Bank of Industrial Development) for prefabricated factories.



Inside view of the factory.



Mounting of a factory with prefabricated elements.





ATHENS HILTON HOTEL

ATHENS HOLIDAY INN HOTEL

Athens Hilton Hotel in collaboration with the main Contractor (1960).

Holiday-Inn Hotel in Athens (now known as Intercontinental) in collaboration with PHILIPP-HOLZMANN of West Germany (1975).

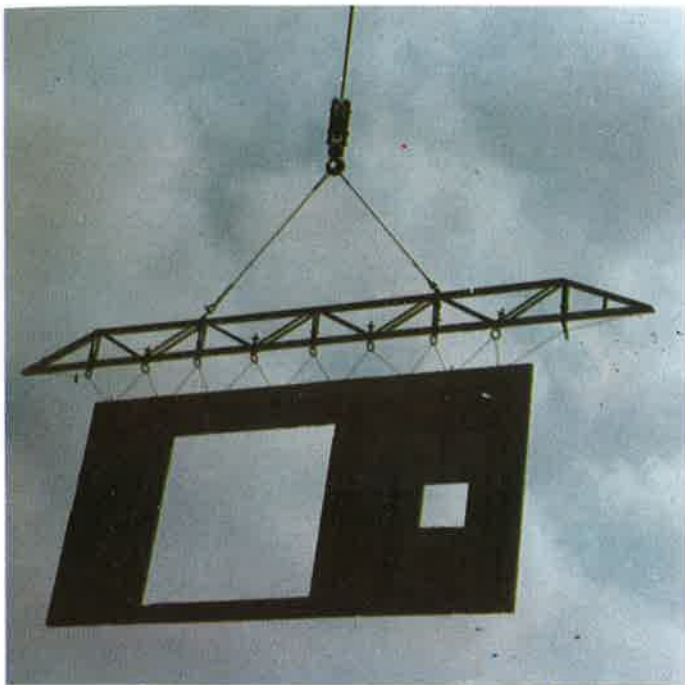




RODOS PALACE HOTEL

In collaboration with the Architects in an advisory capacity
Construction with the aid of advanced technology (1971).





HOTEL SUNWING RODOS

Hotel extension by 160 new rooms where use was made of our patented "FAST-BUILT-SYSTEM" (F.B.S.) for quick erection (1979).





GRECOLIMANO

Completion of new village-type tourist accommodation covering an area of 5,000 M² for the CLUB-MEDITERRANEE (1978) through the use of "FAST-BUILT-SYSTEM" (F.B.S.).



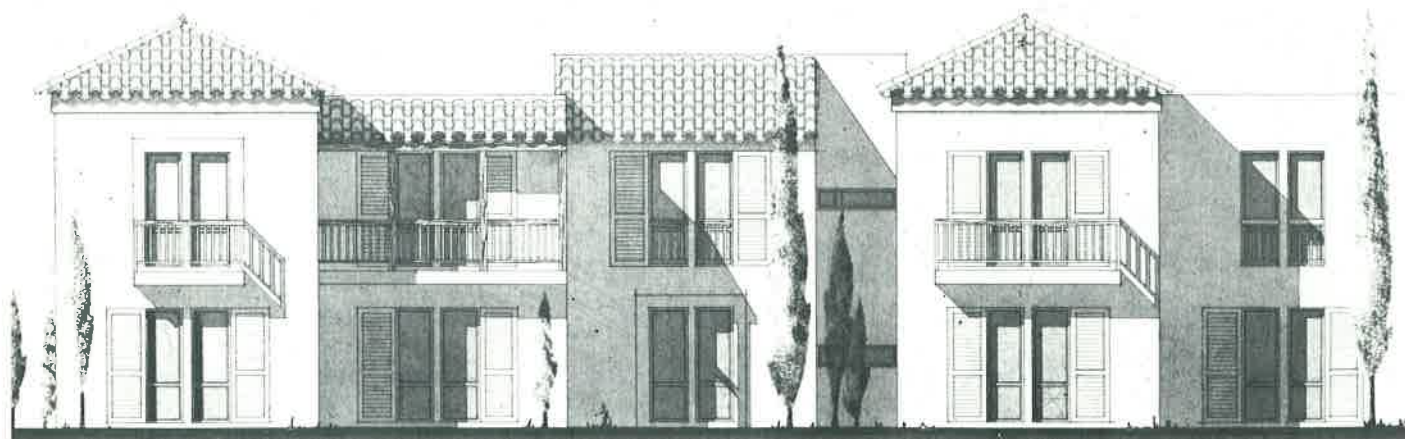
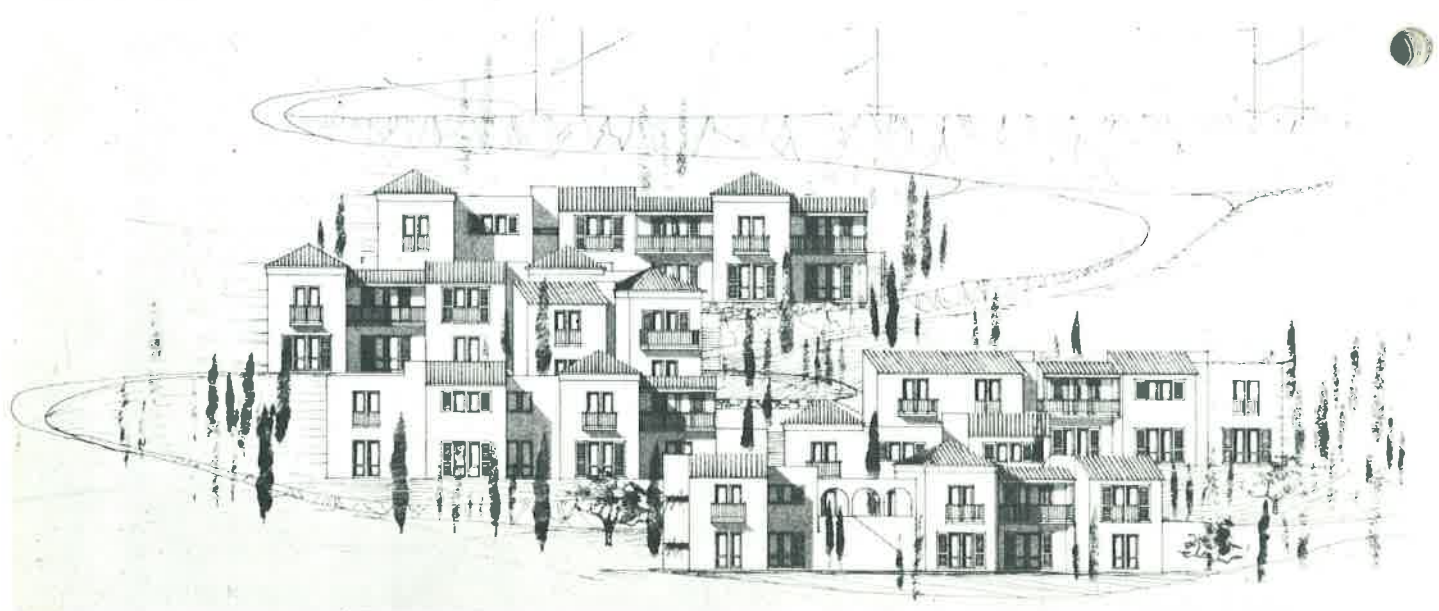


Various views of the village while construction was in progress.



HELIOS CORFOU

Completion over a period of 4 months of a new village in Corfu for the CLUB-MEDITERRANEE where use was made of "FAST-BUILT-SYSTEM" (F.B.S.).



HOTEL CONSTANTIN IN RHODES (1967)



Installation of Tower-Crane.

View of concrete skeleton





**TELEPHONE ORGANISATION
BUILDING**
IN ATHENS (1970)

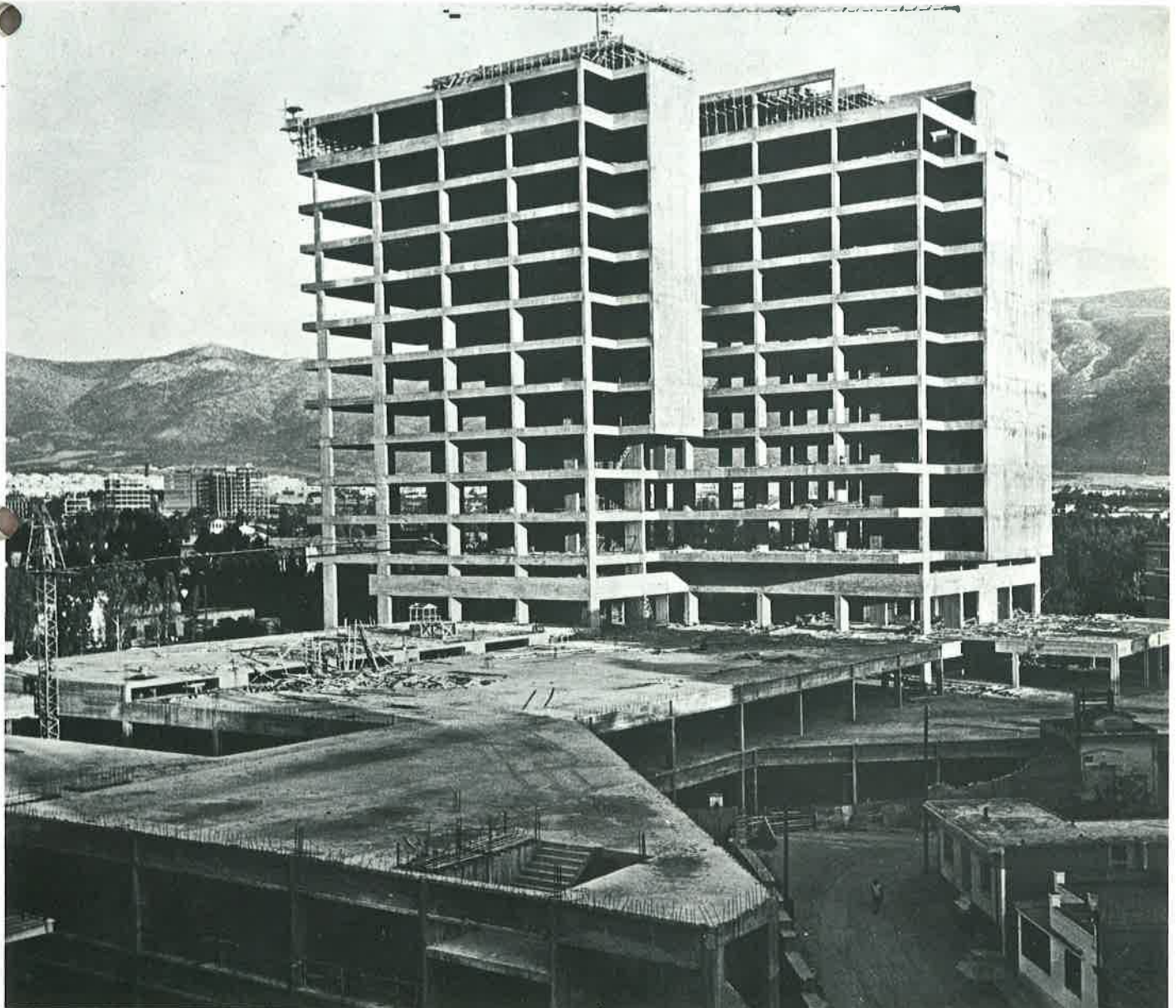
ELEMENTARY SCHOOL
IN ATHENS (KALLITHEA) (1965)





RED CROSS HOSPITAL IN ATHENS

Completion of concrete works in collaboration with the main contractor. The first high-rise building in Athens (1963).





PREFABRICATED VILLAS

View of prefabricated villa.





Lay-out of a prefabricated villa in Dubai-United Arab Emirates. The elements were fabricated in Greece and shipped to Dubai.





SWIMMING-POOL

Completion of a Swimming-Pool and
Recreation Centre for CLUB-MEDITERRANEE
made in 2 months.





CONFORM HELLAS

Our patented moulds made from G.R.P. for the construction of Breakwater Armour Units. These moulds are internationally supplied with great success due to a saving brought about by their use of more than 50% in cost and time in comparison with the steel ones.



Moulds on site.
Dubai (United Arab Emirates).



Wooden model for the fabrication of the mould.



Moulds on Site in Sharjah (U.A.E.).



Moulds on Site in Saudi-Arabia.



Model ready for production of mould.



Fabrication of moulds in our factory.



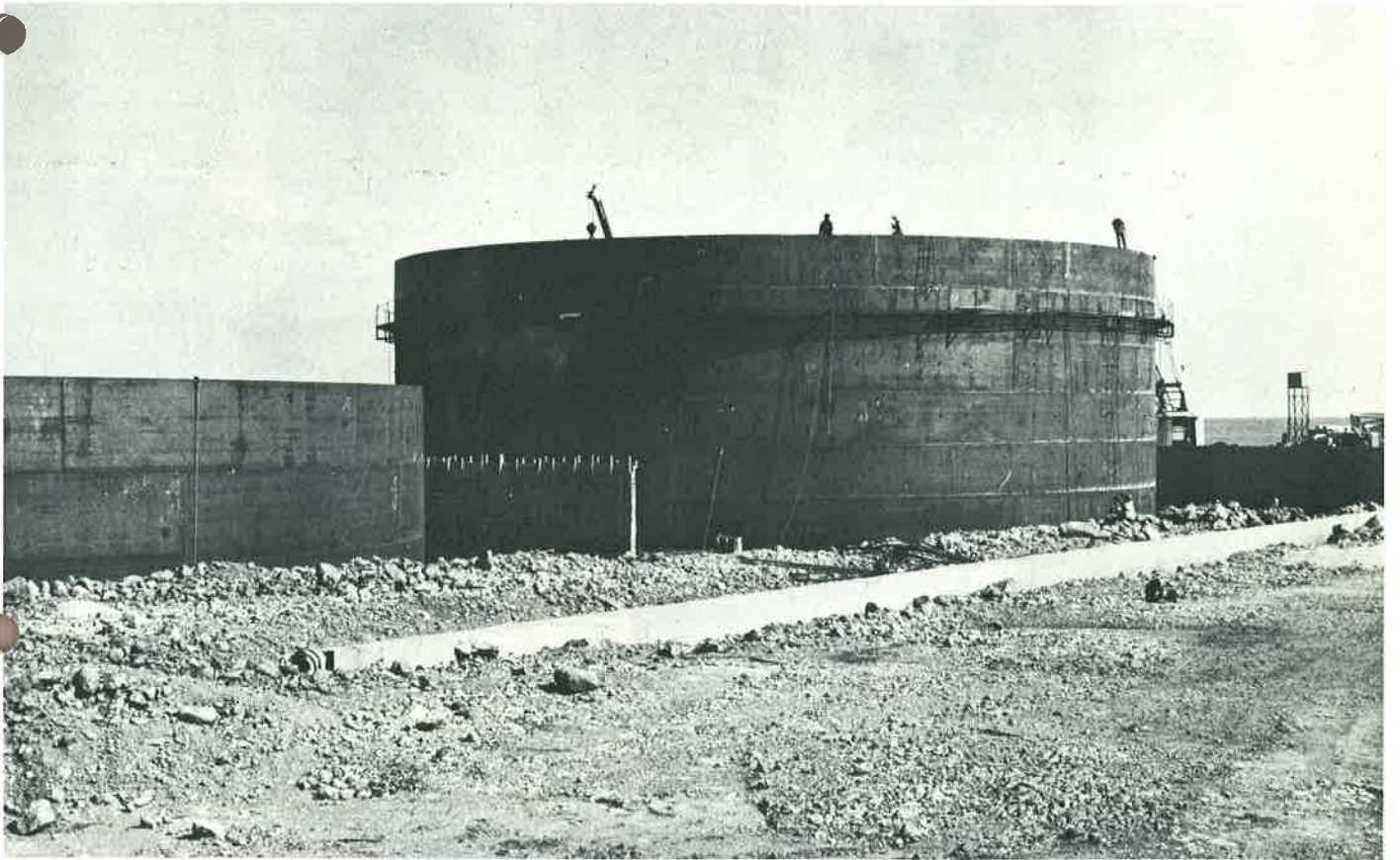
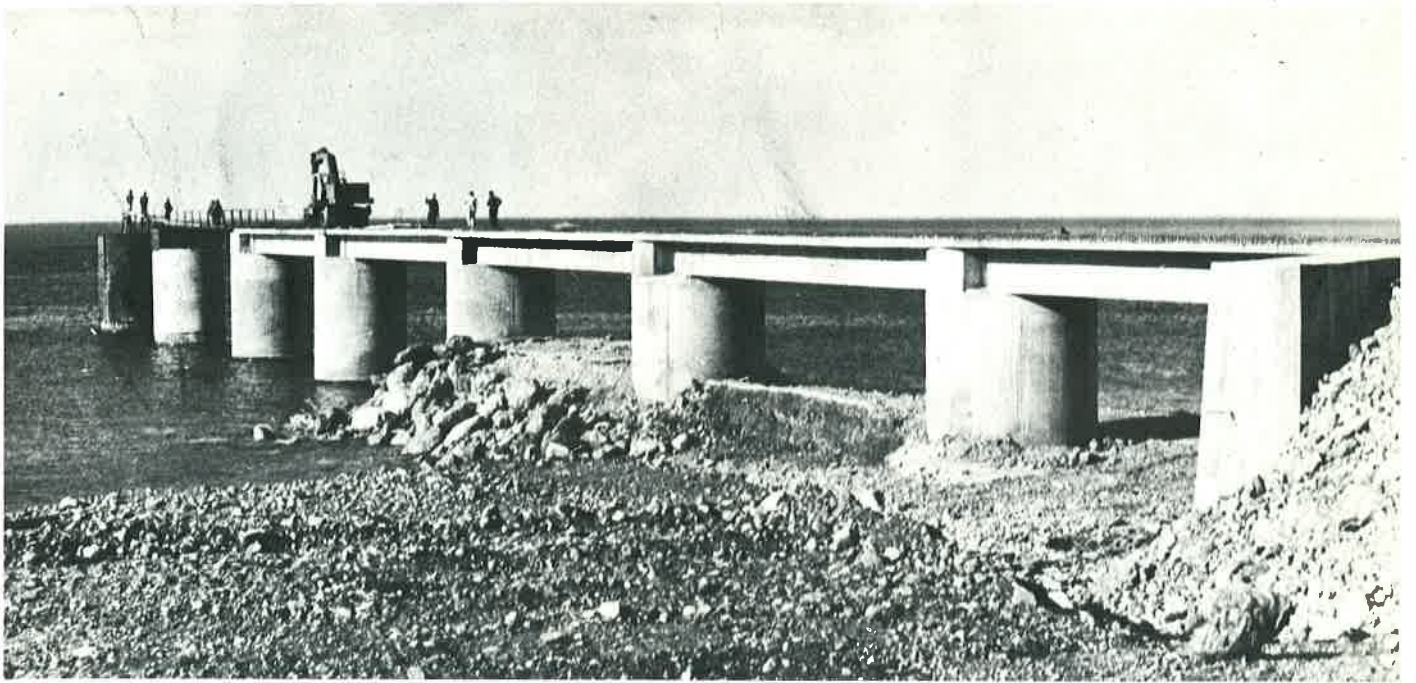
Completed armour units made with our moulds (Saudi Arabia).



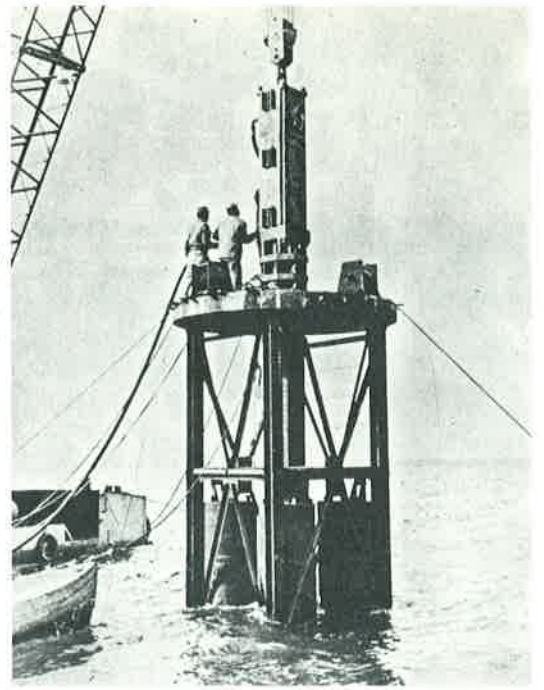
HARBOURS IN GREECE AND OTHER COUNTRIES

Construction of a jetty in Libya.





Views of the jetty while it was being constructed.



Harbour works equipment in operation.

