



SURVEY & INVESTIGATION

TRICC JSC has been trusted by both domestic and international clients with high quality of engineering services executed for planning, Pre-Feasibility Study, Feasibility Study, Detailed Design and Construction Drawing Design for transport works investment projects, civil and industrial construction project, etc.

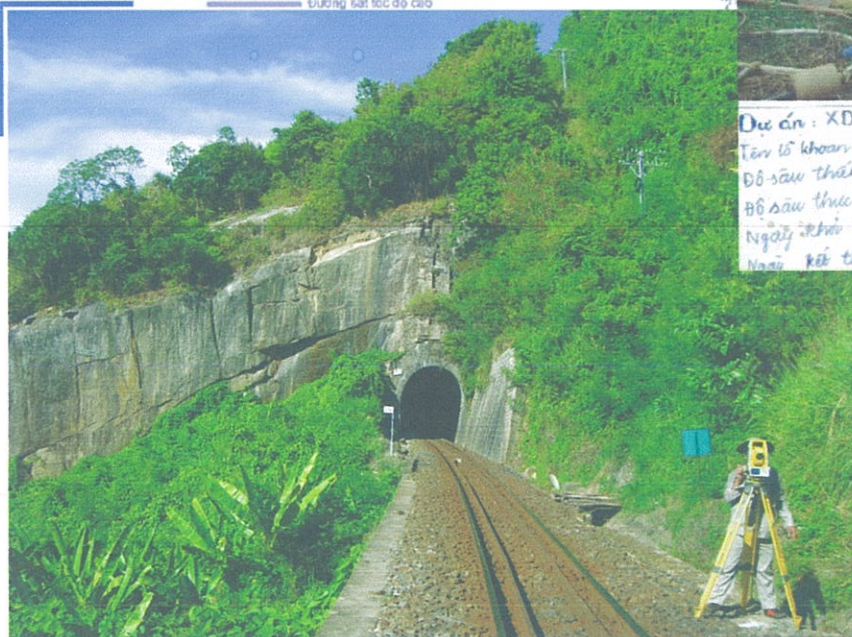


HYDROLOGICAL SURVEY

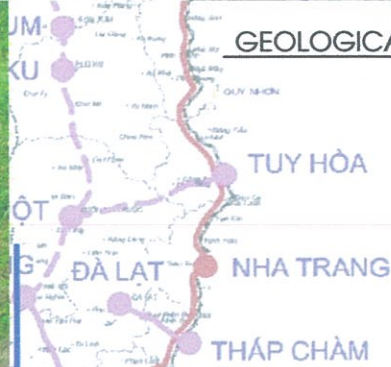
Đường sắt hiện tại Móng 1000mm & 1435mm
Đường sắt hiện tại 1435mm
Đường sắt cao tốc
Đường sắt tốc độ cao



GEOLOGICAL SURVEY



TOPOGRAPHICAL SURVEY



TRICC JSC PROVIDES INVESTIGATION SERVICES AS FOLLOWS:

- On-land & in-water topographical survey;
- On-land & in-water geological survey
- Hydro-meteorological survey and measurement
- Environment impact survey & assessment
- Investigation & survey of material supply sources



ENGINEERING GEOLOGICAL TEST

Engineering Geological Laboratory is established in 1995 and is recognized as Engineering Geological Laboratory in 2004 with LAS-XD 247.

ENGINEERING GEOLOGICAL TEST SERVICES

PROVIDED BY TRICC:

- Implement tests with 27-experimental criterias in laboratory and at field;
- Quality testing consulting for construction work, geological survey boring, sample test;
- Handling consulting for special track, settlement monitoring;

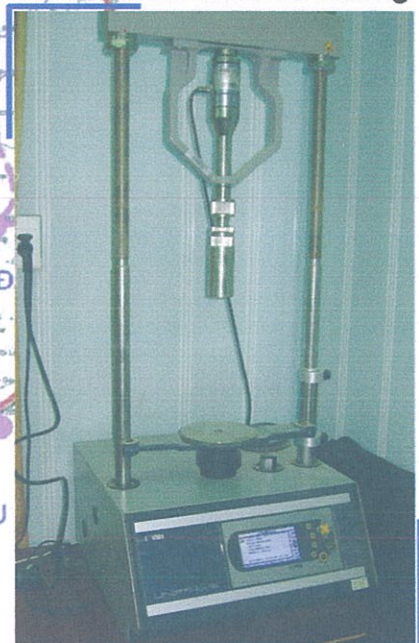
OEDOMETER COMPRESSORS



TRIAXIAL COMPRESSOR



FIELD SHEAR APPARATUS



CBR

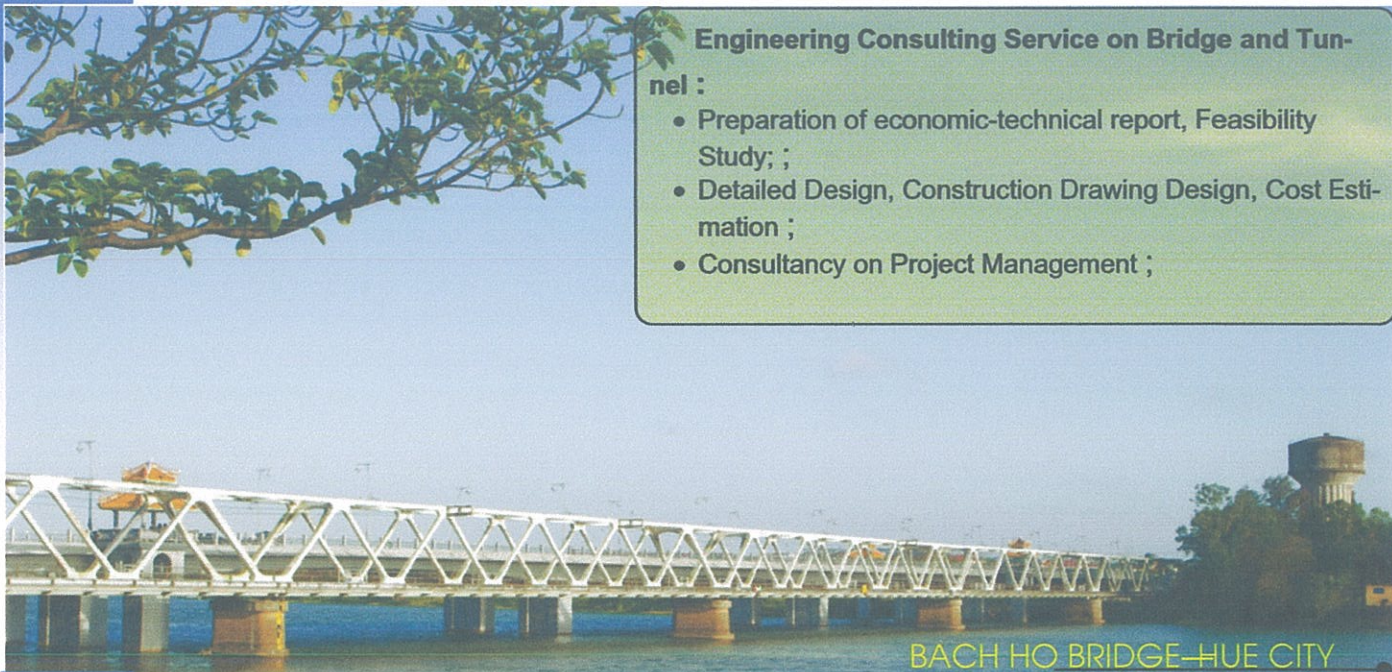


BRIDGE AND TUNNEL

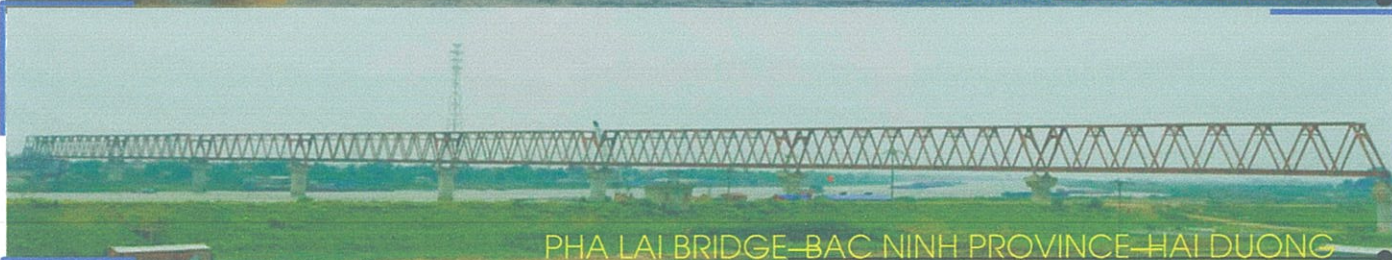
TRICC take pride as one of lead consultant units in Vietnam in field of Design and Consultancy of Bridge and Tunnel in passing years. Until now, with the most modern calculating tools and methods, our high-quality and professionally trained staff believes to adapt clients' requirement, even in most

Engineering Consulting Service on Bridge and Tunnel :

- Preparation of economic-technical report, Feasibility Study ;
- Detailed Design, Construction Drawing Design, Cost Estimation ;
- Consultancy on Project Management ;



BACH HO BRIDGE—HUE CITY



PHA LAI BRIDGE—BAC NINH PROVINCE—HAI DUONG

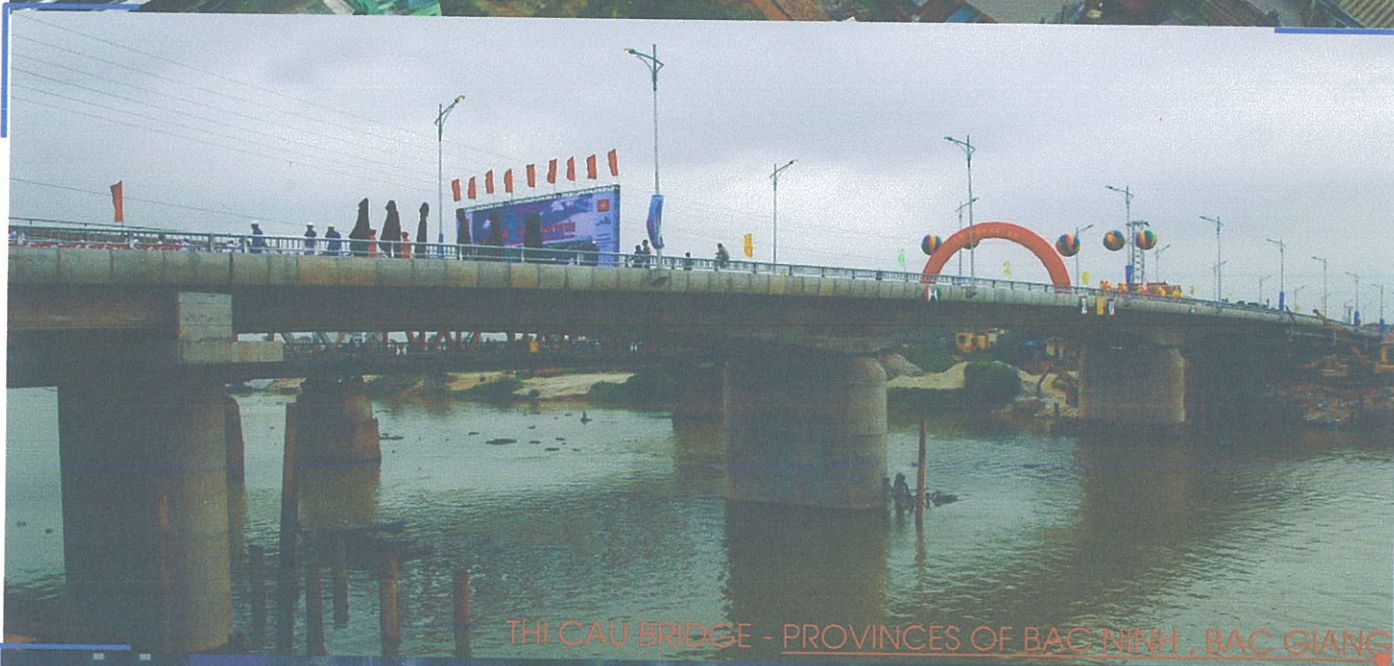


BAC THUY BRIDGE—LANG SON PROVINCE

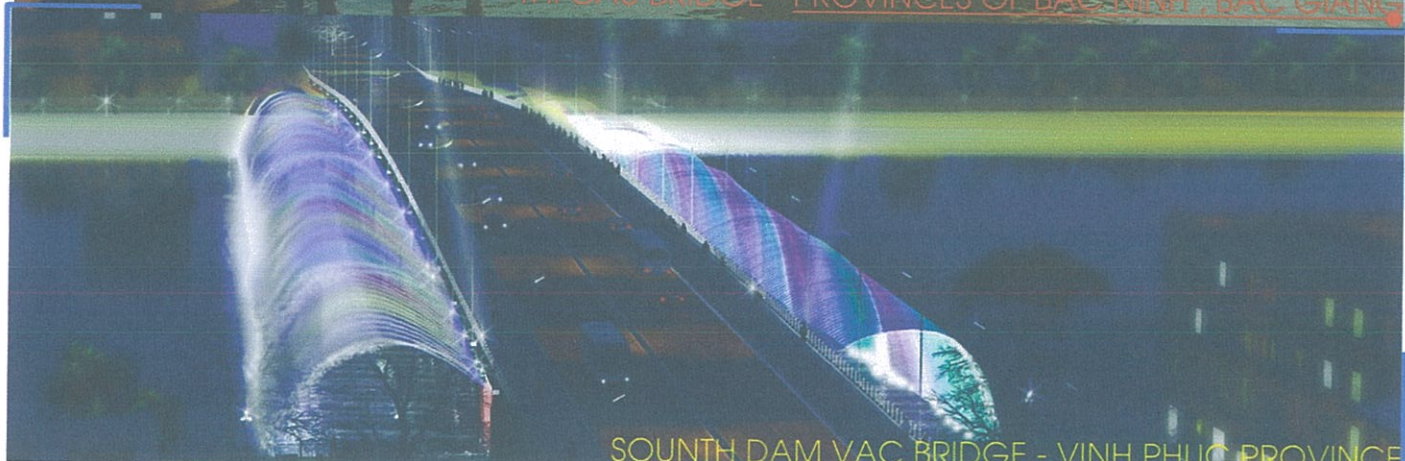


BRIDGE AND TUNNEL

HUE I - JUNCTION - DA NANG CITY



THI CAU BRIDGE - PROVINCES OF BAC NINH, BAC GIANG



SOUTH DAM VAC BRIDGE - VINH PHUC PROVINCE

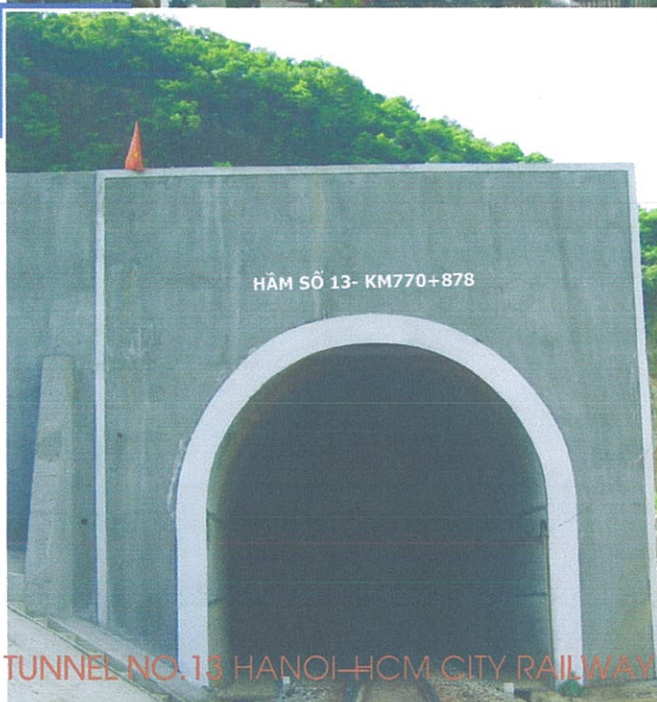


BRIDGE AND TUNNEL

STATION NO.5 DUC THO - URBAN RAILWAY LINE , NHON-HANOI STATION SETION



STATION NO.8—CAU GIAY—URBAN RAILWAY LINE, NHON-HANOI STATION SECTION



TUNNEL NO.13 HANOI-HCM CITY RAILWAY LINE





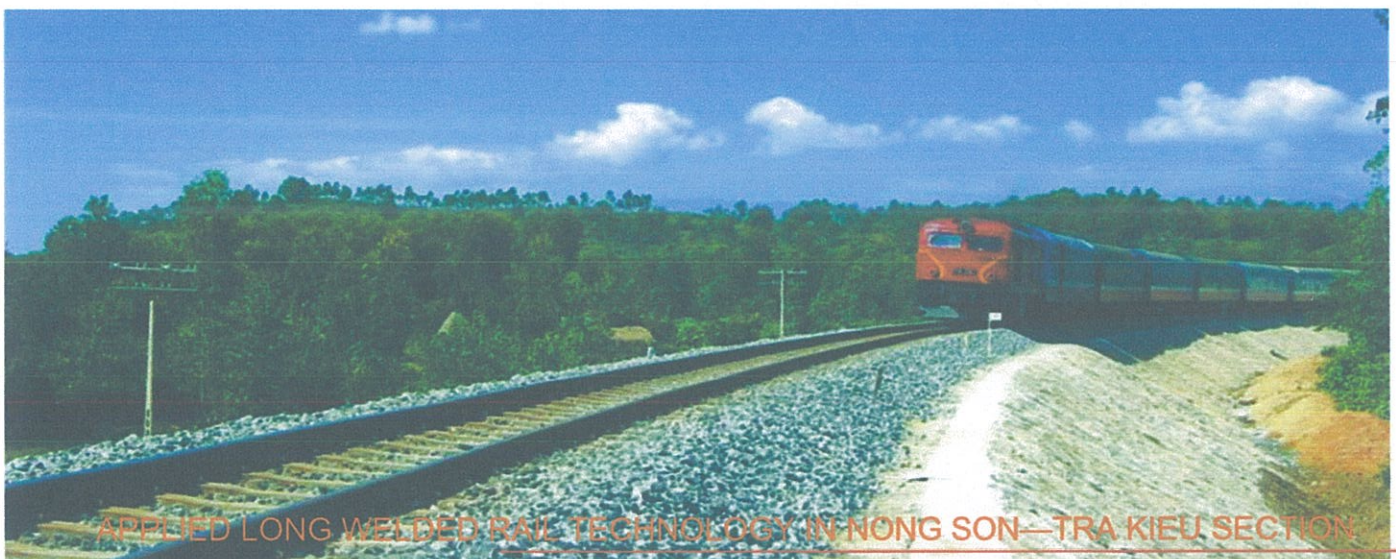
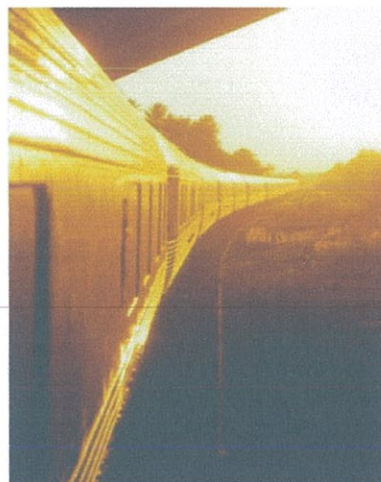
RAILWAY

TRICC JSC, precursor was Vietnam Railway Research and Investigation Institute, has currently revealed itself to be a leader in engineering consultant for railway infrastructure development. We takes pride in being the only consultant capable of providing all-in services, from infrastructure of civil works to telecommunication, rolling stock, operation facilities, customer services without need any support from consultant of other fields.

Engineering Consulting Service on Railway :

- Preparation of Planning, Pre-Feasibility Study, Feasibility Study for Railway and Urban Railway Construction Projects;
- Detailed Design, Construction Drawing Design, and Cost Estimate for railway-related disciplines such as track, station, track structure, etc....;
- Consultancy on project management, consultancy on construction supervision, consultancy on railway inspection ;
- Appraisal of Design and Cost Estimate for railway projects ;

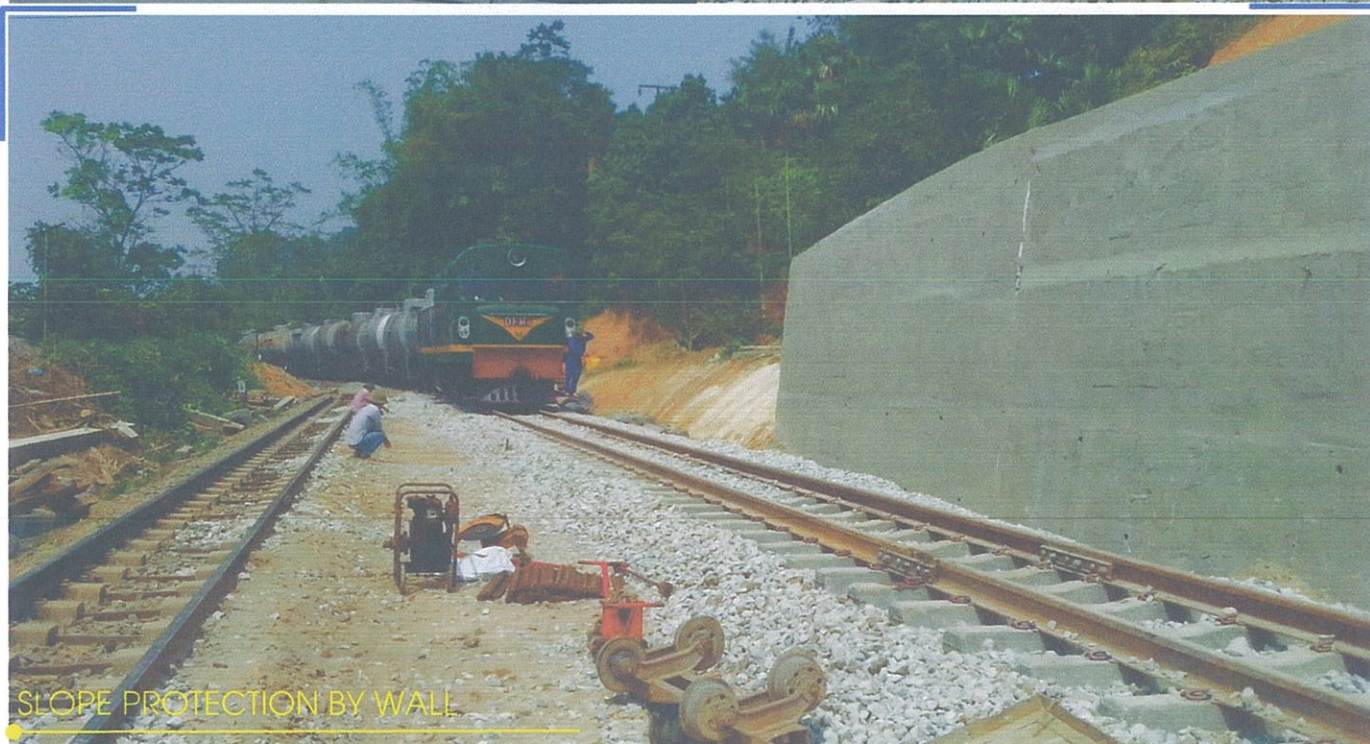
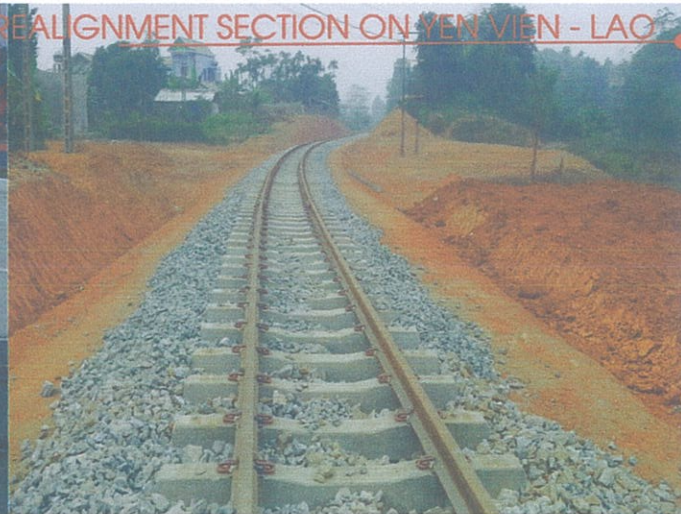
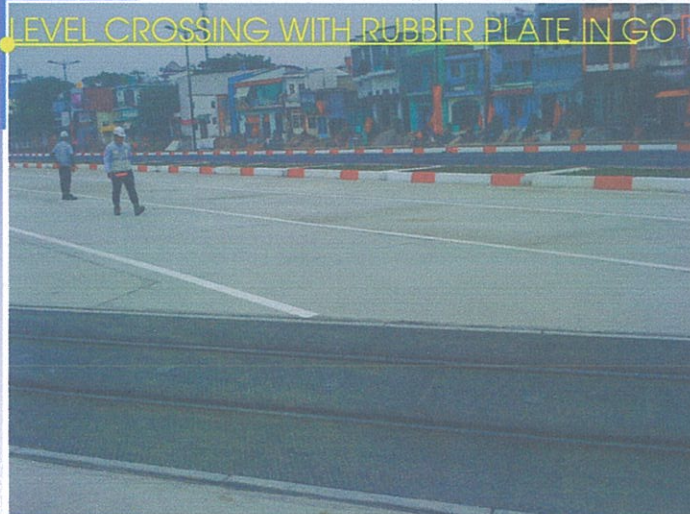
TRICC JSC HAS MADE GREAT CONTRIBUTION IN CONSTRUCTION AND DEVELOPMENT OF VIETNAM RAILWAY





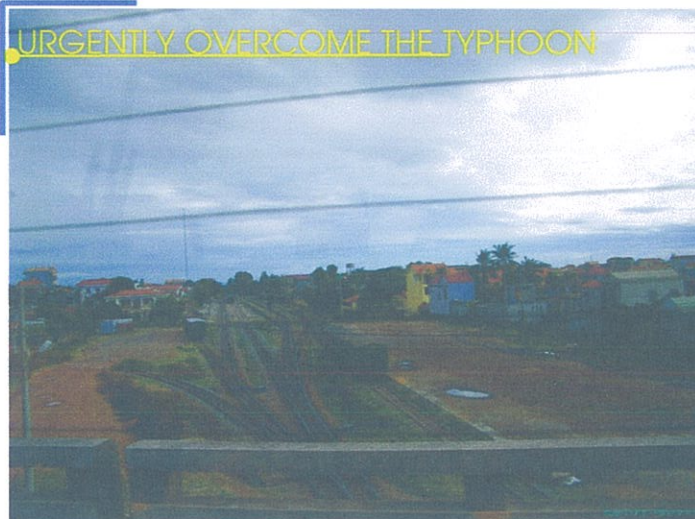
RAILWAY

LEVEL CROSSING WITH RUBBER PLATE IN GOREALIGNMENT SECTION ON YEN VIEN - LAO



SLOPE PROTECTION BY WALL

URGENTLY OVERCOME THE TYPHOON



SLOPE PROTECTION BY REINFORCED

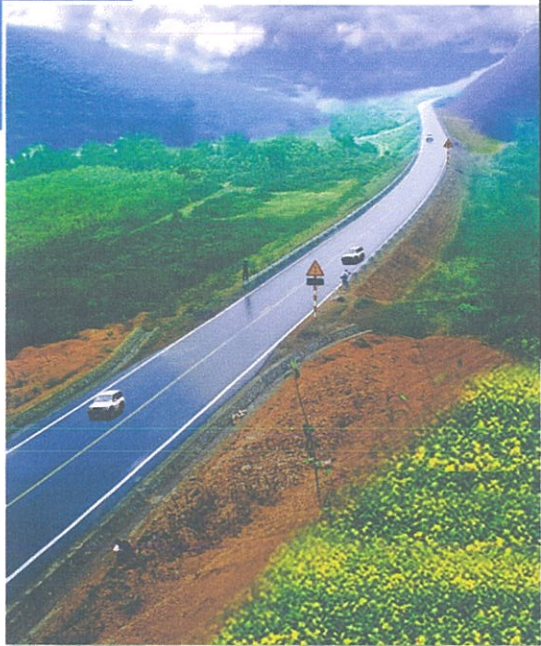




HIGHWAY & ROADWAY

In this field, TRICC JSC has been providing and will provide clients with the best services in: motorway, highway, urban road, traffic intersections, airport road, ...etc.

HO CHI MINH HIGHWAY

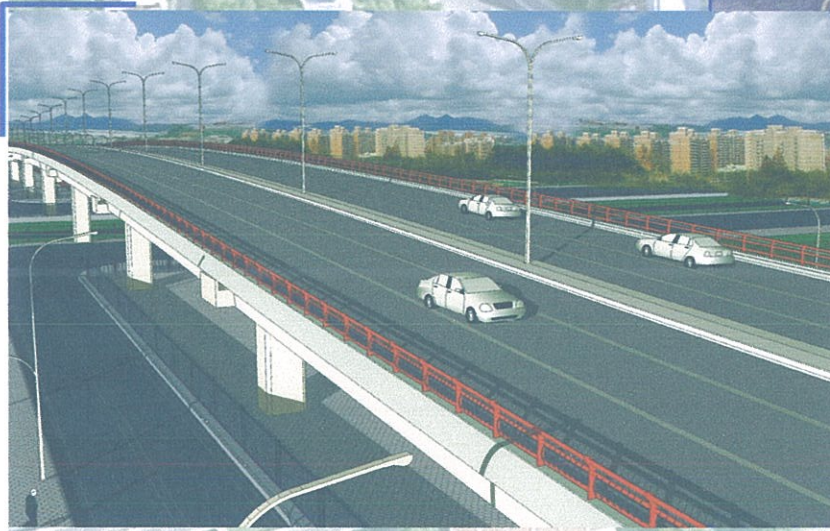


Engineering Consulting Service on Road :

- Preparation of Planning, Pre-Feasibility Study, Feasibility Study for Road Construction Investment Projects ;
- Detailed Design, Construction Drawing Design, Cost Estimation and Preparation of Bidding Document ;
- Consultancy on Project Management, Consultancy on Road Construction Supervision ;
- Appraisal of Feasibility Study, Design and Cost Estimates ;
- Testing and Inspection of Quality of Structure of Road Bed and Road Surface ;
- Improvement of soft soil, retaining wall, landslide and geotechnics .



NATIONAL ROAD NO.7



XUAN PHUONG INTERSECTION - HANOI



SIGNAL-TELECOMMUNICATION-

In signal-telecommunication-electricity field, especially in service for transport, TRICC JSC can fulfil all demands of clients in terms of : development of signal-telecommunication-electricity infrastructure network for railway, roadway, water-

Engineering Consulting Service on Signal-telecommunication-electricity

- Planning of signal-telecommunication-electricity infrastructure;
- Preparation of Planning, Pre-Feasibility Study, Feasibility Study for project with signal-telecommunication-electricity infrastructure;
- Design of signal-telecom.-elec. system of all stages;



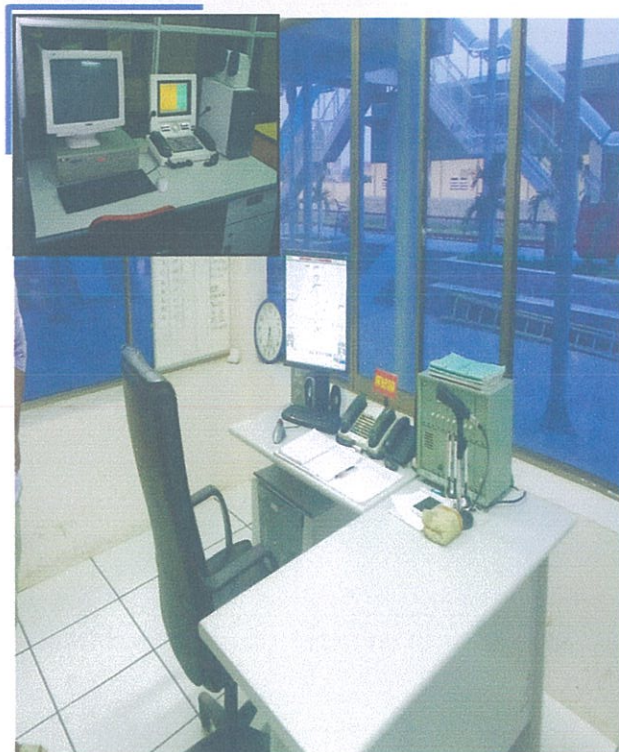
AUTOMATIC WARNING EQUIPMENT FOR LEVEL CROSSING



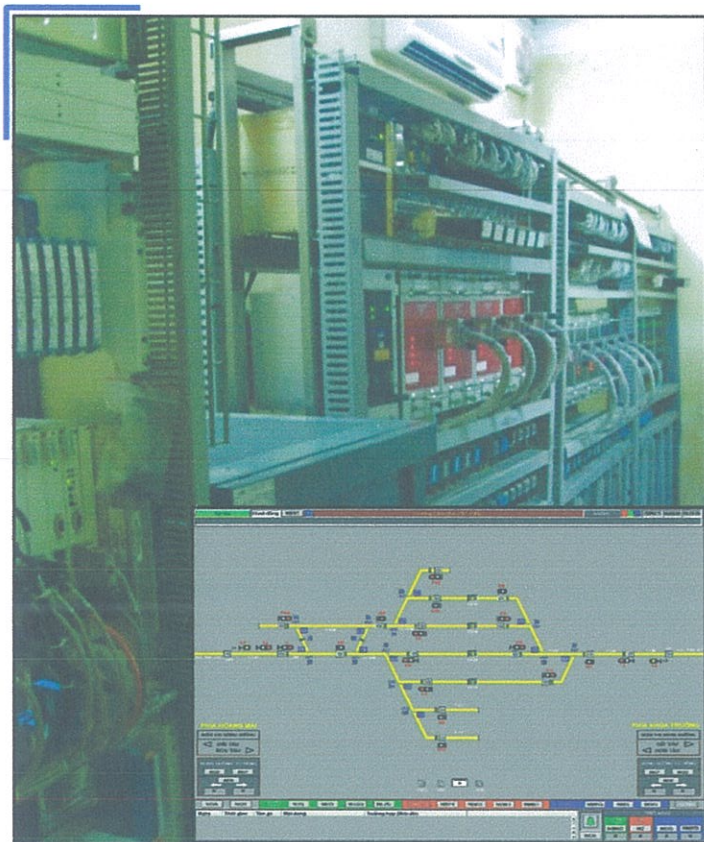
SEMAPHORE SIGNAL CONVERTED TO COLOR SIGNAL



SIGNAL-TELECOMMUNICATION-



DIGITAL RAILWAY TELECOMMUNICATION-SIGNAL SYSTEM



ELECTRONIC INTERLOCKING SIGNAL SYSTEM



RELAY INTERLOCKING SIGNAL SYSTEM

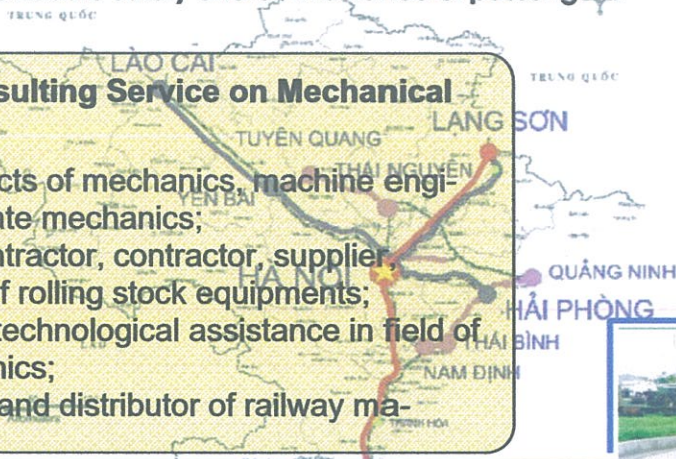


MECHANICAL FIELD

TRICC JSC has made significant contribution in improving quality of rolling stock, interior equipment and facilities so as to secure safety and convenience of passengers.

Engineering Consulting Service on Mechanical field :

- Design in aspects of mechanics, machine engineering, accurate mechanics;
- Being main contractor, contractor, supplier, manufacturer of rolling stock equipments;
- Technical and technological assistance in field of railway mechanics;
- Being supplier and distributor of railway ma-



TURNTABLE



PUSH—PULL TRAIN SET

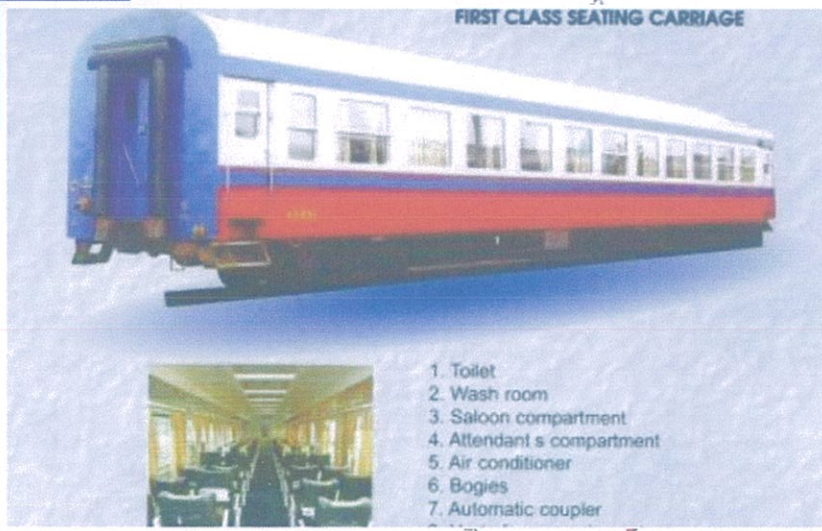
2 STOREY PASSENGER CAR





MECHANICAL FIELD

CAR WITH PADDED SEAT- 2ND GENERATION



Số Quốc

CAR FOR LONG



CAR WITH PADDED BED - 2ND GENERATION

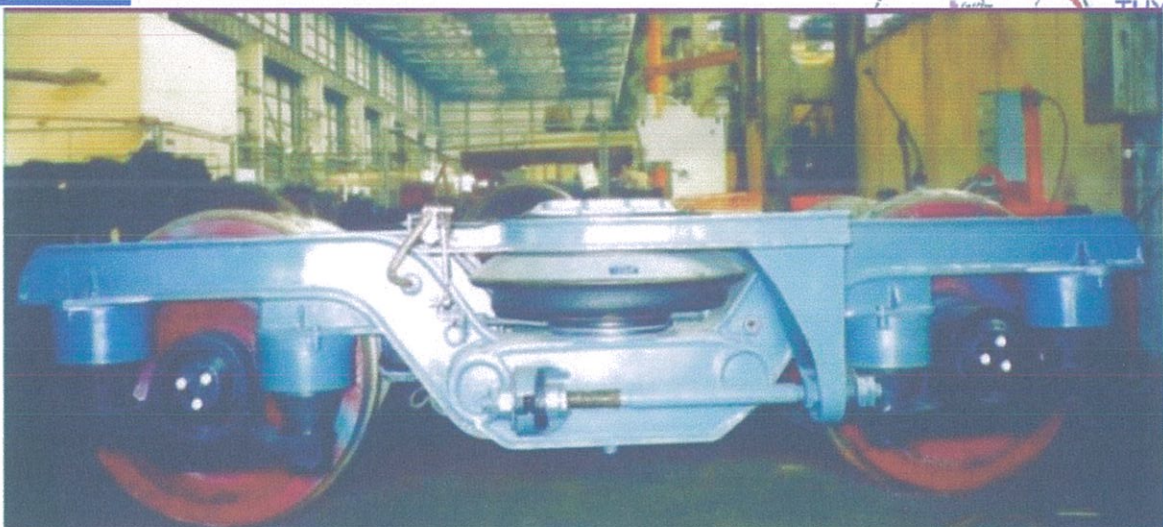


NG

RUBBER PLATE FOR



ADVANCED BOGIE



TUY HÒA

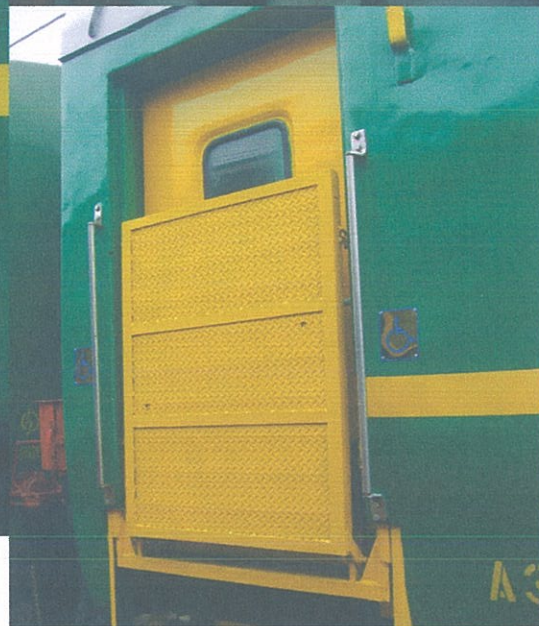
TRANG

CHÀM



MECHANICAL FIELD

CAR FOR DISABLED PEOPLE



INSTALLING SEWAGE TREATMENT EQUIPMENT ON





ARCHITECTURAL FIELD

TRICC JSC has participated solely or in association with international consultants in projects expecting high aesthetic demands, advanced construction technology application, high standard materials...etc, such as station plaza, elevated railway depot...etc.

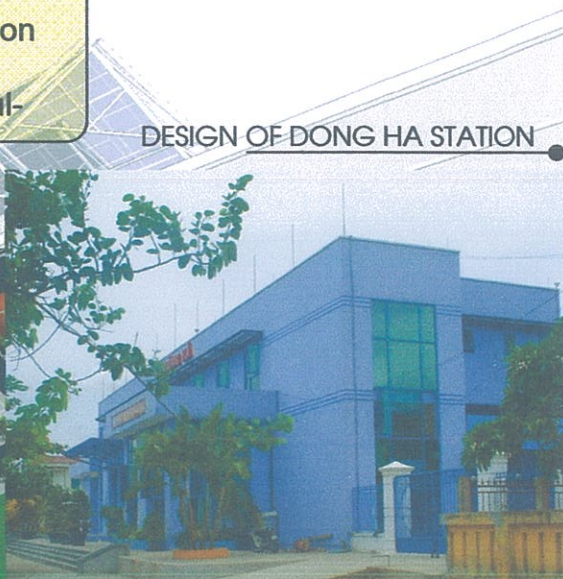
Engineering Consulting Service on Architecture:

- Design of architecture for civil, industrial, and cultural fields, for high-rise buildings, stations, etc., at all stages;
- Consultancy on project management, consultancy on construction supervision;
- Consultancy on restoration, technical solution of cul-

DESIGN OF DONG HA STATION



ARCHITECTURAL LAYOUT
OF NINH BINH STATION



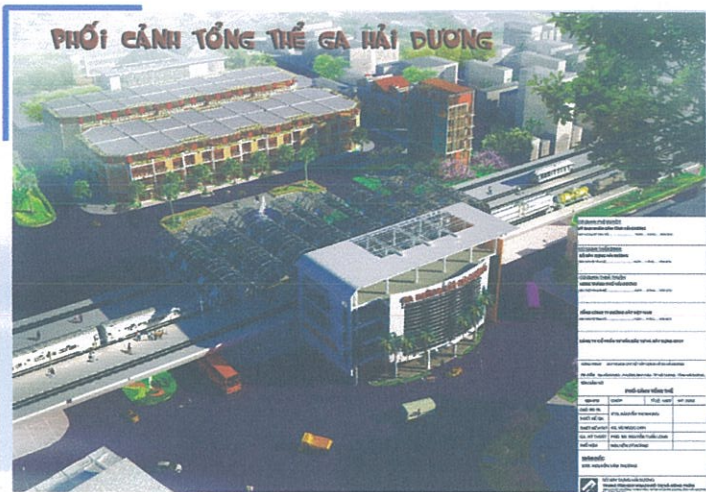
DESIGN OF VIET TRI STATION



DESIGN OF LAO CAI STATION



ARCHITECTURAL FIELD



DESIGN OF HAI DUONG STATION



DESIGN OF TRICC TOWER
NO.26, ALLEY 371, KIM MA - BA DINH - HN



DESIGN OF HOME-STAY FOR RAILWAY STAFFS



DESIGN OF HEAD OFFICE OF TRICC
NO.2 ALLEY 371 KIM MA - BA DINH



INSPECTION & CONSTRUCTION SUPERVISION CONSULTANT

TRICC- JSC has supplied highly-qualified full time professionals possessing in-depth practical experience to international clients, such as Systra, JTC, PCI, CECI... and we are currently striving for personnel export to oversea market as long-term target.

TRICC JSC FURNISHES THE FOLLOWING SERVICES:

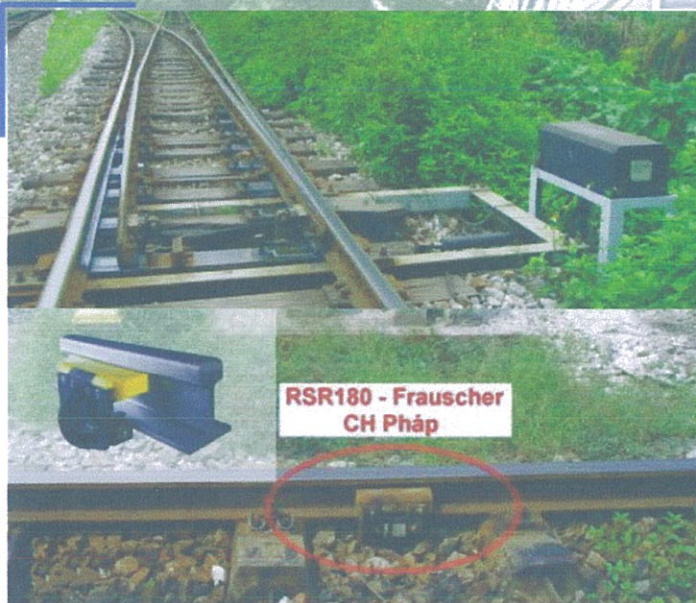
- Quality Inspection of documents and civil works
- Consulting in project management, supervision
- Having highly-qualified personnel hired for project management, chief engineer...etc



CONSTRUCTION SUPERVISION CONSULTANT
FOR BACH HO BRIDGE



SUPERVISION CONSULTANT
ROLLING STOCK NEW BUILDING



SUPERVISION CONSULTANT FOR HANOI -
VINH SIGNALING-TELE. MODERNIZATION



CONSTRUCTION SUPERVISION CONSULTANT
FOR NONG SON - TRA KIEU LONG WELDED
RAIL RAILWAY SECTION



TECHNOLOGY & APPLICATIONS

TRICC JSC continuously strive for improvement and rationalization of production, research, as well as cooperation and transfer of the most updated technology.

SCIENTIFIC RESEARCH :

With high-distinction reward VIFOTEC granted by the Government and multiple rewards presented for scientific researches, TRICC has proved itself to be the master of new introduced technology by its own internal force.

TELECOMMUNICATION TECHNOLOGY APPLICATIONS:

Being equipped with modern and advanced facilities, licensed softwares (more than 250 computers are installed with such new licensed calculation software as MIDAS/Advance...), our young, energetic and qualified professionals are always ready to pave the way to the digital era.



VIFOTEC AWARDS

PUSH-PULL TRAIN SCIENTIFIC RESEARCH

MIDAS/Civil

Civil structure design system

Modeling, Integrated Design & Analysis Software

CIVIL STRUCTURE DESIGN SYSTEM MIDAS

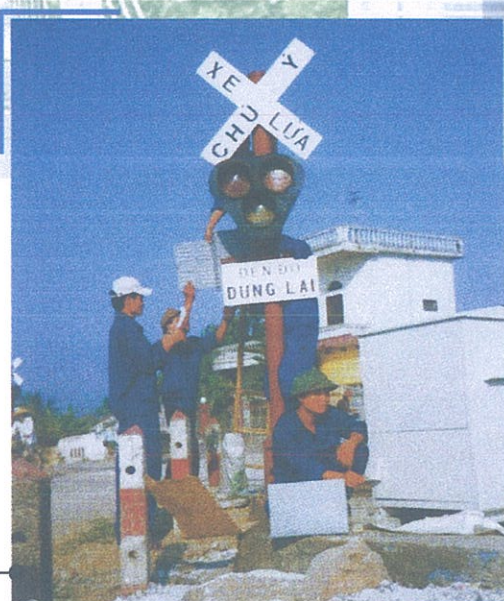
CONSTRUCTION OF EXPERIMENTAL WORKS:

With purpose for affirmation of the reality in TRICC-JSC studies, we are always willing to actively give out our recommendations and meet requirements of our valued clients in bringing study works into experimental and pilot construction.



RUBBER LEVEL CROSSING BOARDING

AUTOMATIC WARNING LEVEL CROSSING
ENSURING RAILWAY OPERATIONAL SAFETY





INTERNATIONAL COOPERATION

In a process to stretch to international market, TRICC JSC has actively searched for, set up cooperation relationship with international construction and consultant groups, such as Sysra, Freyssinet, JTC, PCI, etc. Up to date, TRICC JSC has achieved confidence of partners via such fruitful cooperation in large-scale projects.

LỄ KÝ

THỎA THUẬN HỢP TÁC

TRICC - CECI

Hà nội ngày 16 - 4 - 2007

