



Established 1982

more inzenjering





Split Croatia

Tel / fax: +385 21 531 410

mobile +385 95 871 0200

**E - mail
more_ing@yahoo.com**

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Consulting and supervision

Site survey

Project documentation (pipelines, piers...)

Photography and video

Non destructive testing

Underwater excavations

Blasting and demolition

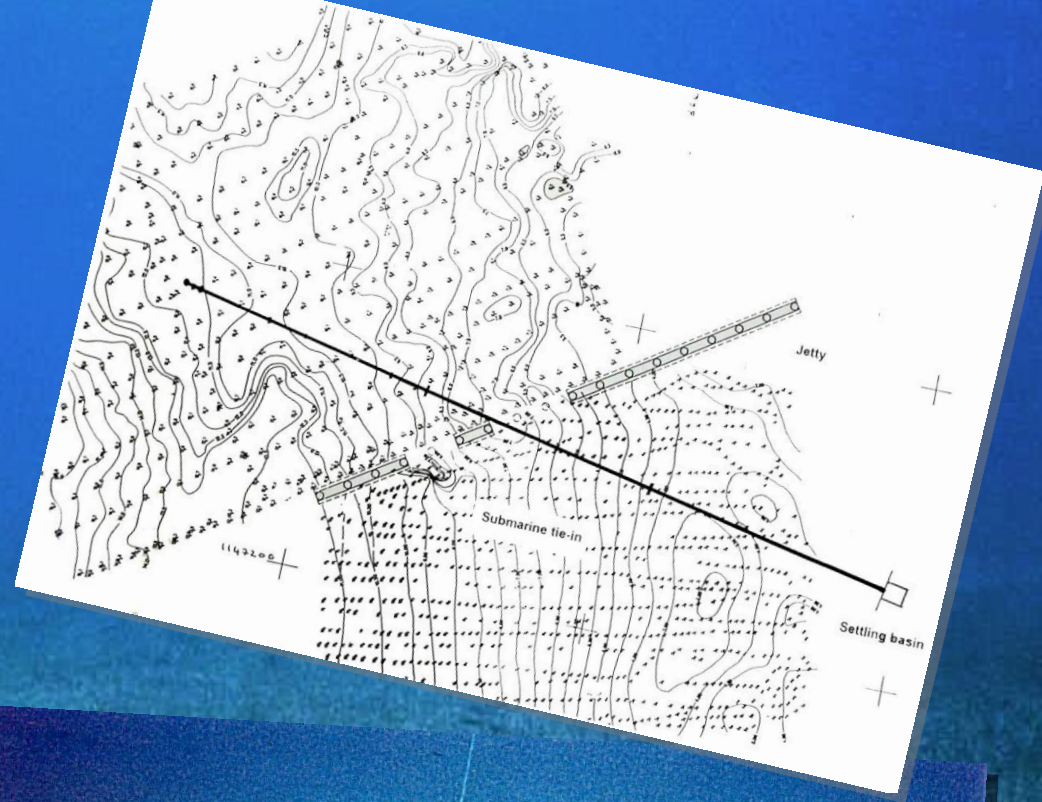
Concrete works

Pipeline erection and repairs

Underwater welding and cutting (in wet or dry conditions)

Painting and cathodic corrosion protection

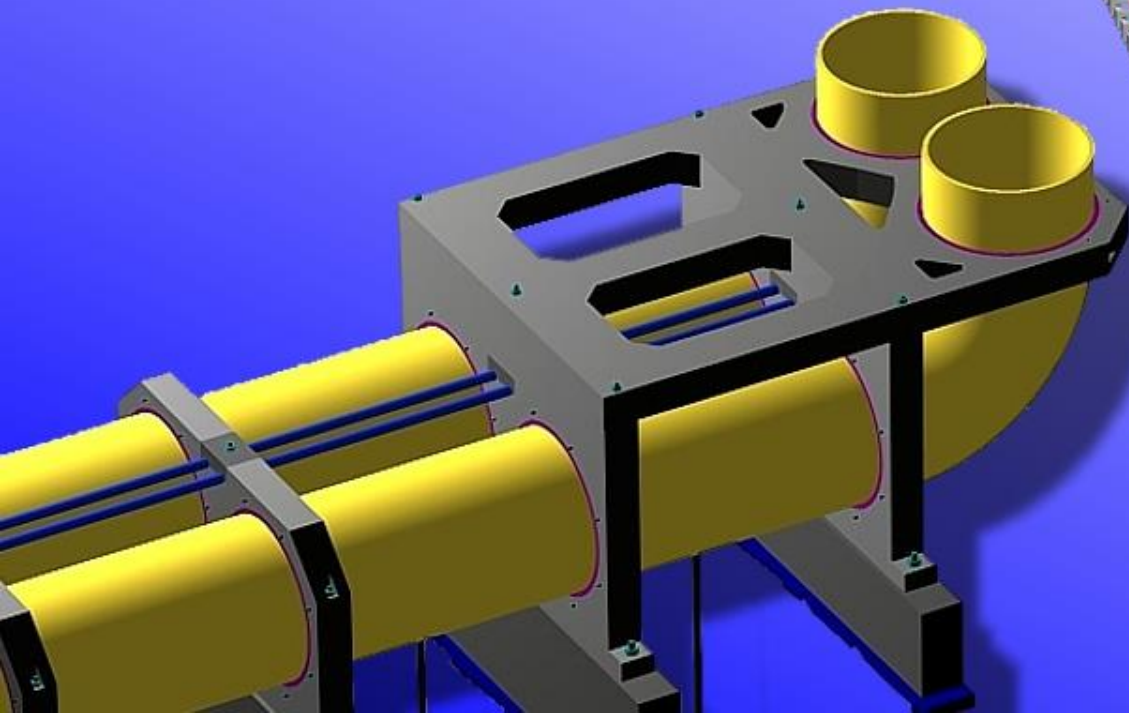
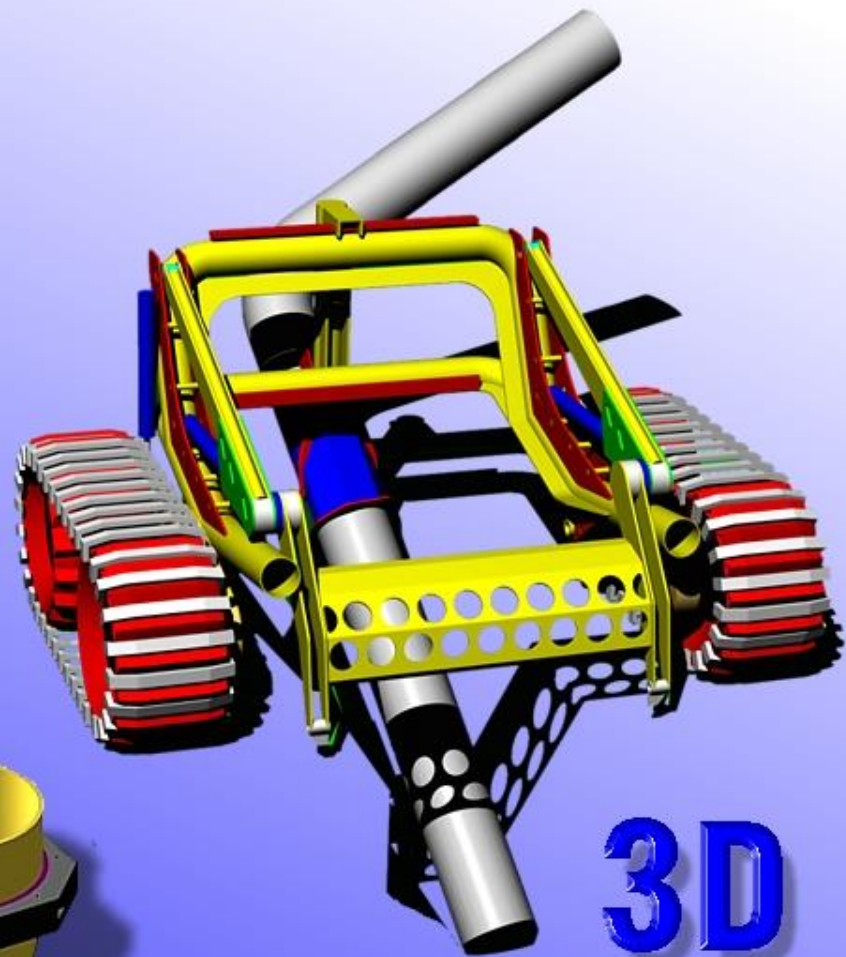
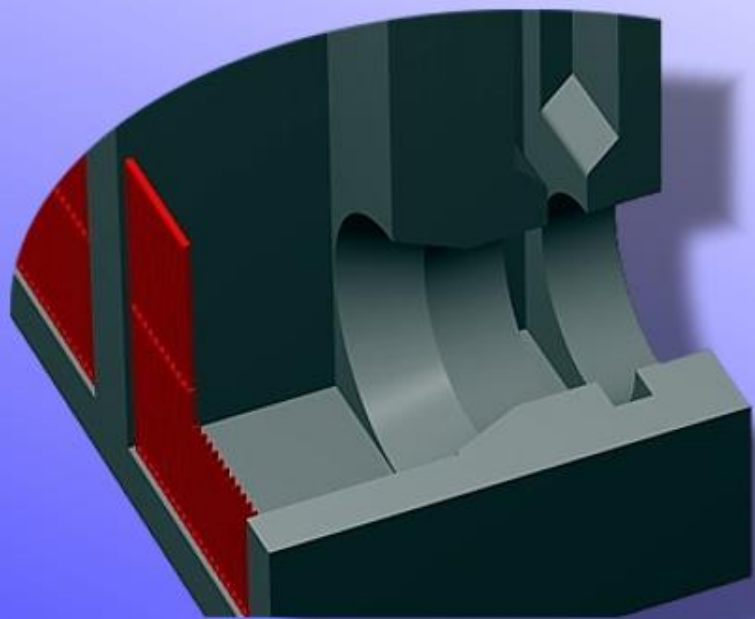
Development and manufacturing of specialized tools and equipment



Underwater survey and inspection



WE 100 POST
ELC 1000
APPC 1000



**3D
design**



PIPELINES

CONSTRUCTION



PIERS



PLANTS

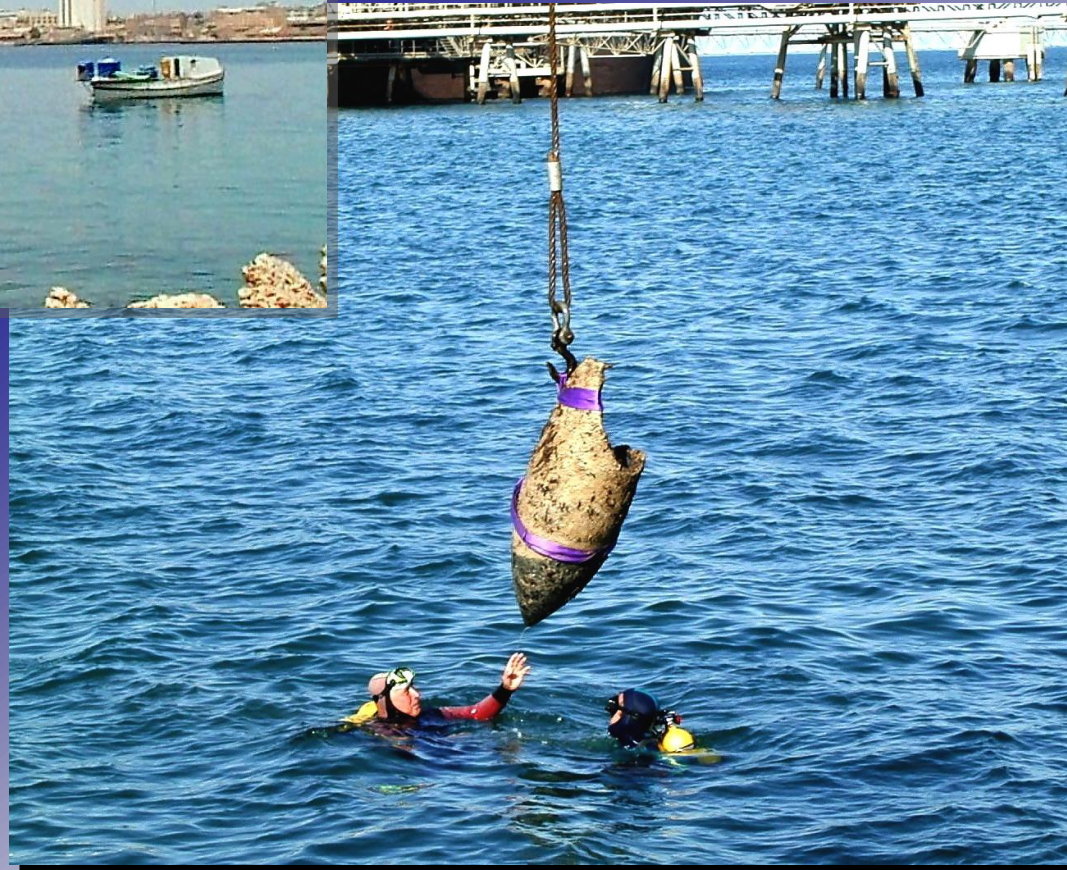


REPARATION & MAINTANANCE

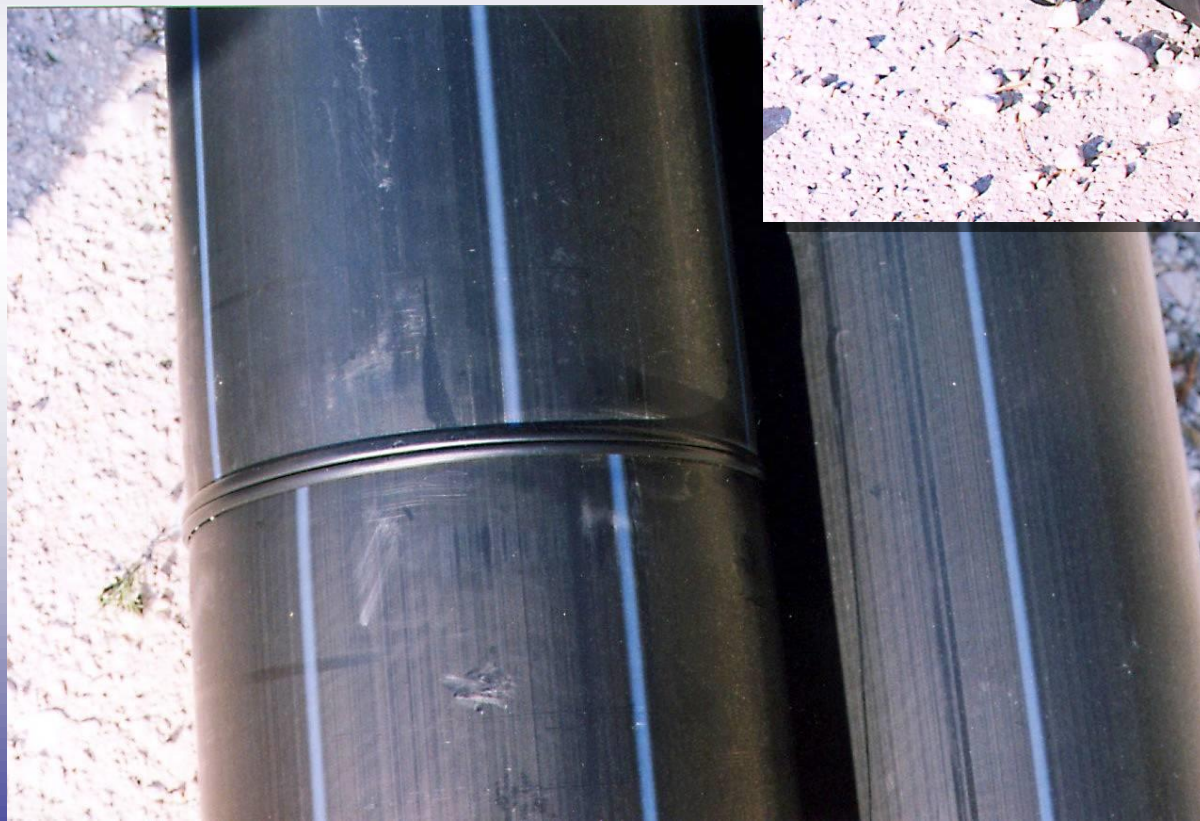
Underwater blasting



Explosive devices removal



PE pipe welding

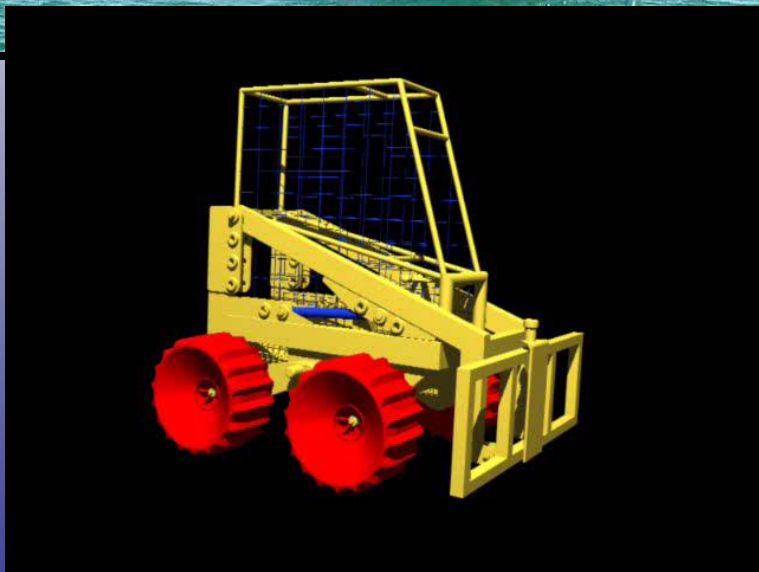




Special tools, machinery
and measuring equipment



**Underwater
trencher**



made by
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Mammut pump



Mammut pump

Water or air powered
Diameter from 125 to 500 mm



made by
more inženjering

Underwater drilling rig

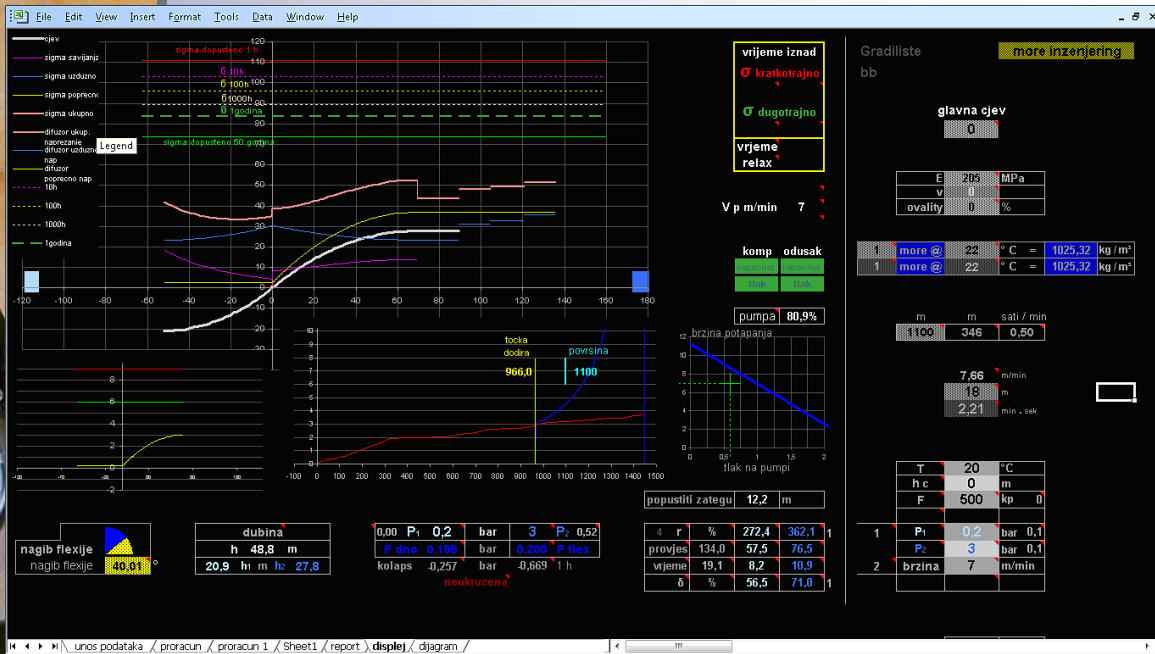
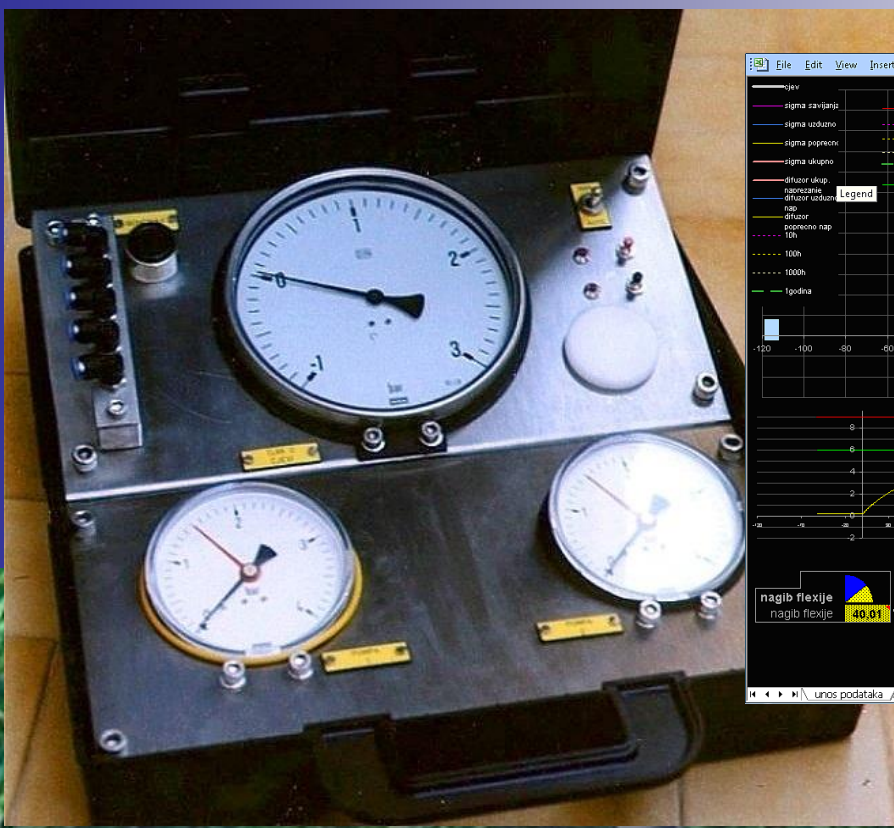


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Borehole:
depth up to 7 m
diameter up to 75 mm





Control panels & computer program for pipe sinking control

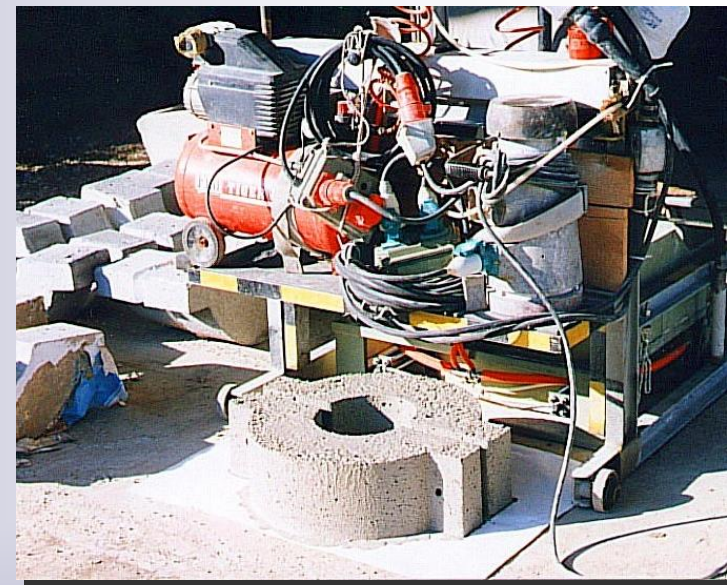
made by
more inženjering



Pipeline weights molding machine

made by more inženjering





Capacity
100 weights per day

- Site survey , project documentation, installation Underwater outfall pipe extension. STOBREĆ (turnkey)
- Underwater construction and outfall pipe installation. Marinas ŽUT and MURTER - ACI CROATIA (subcontract)
- Underwater construction. KORČULA - ACI CROATIA (subcontract)
- Underwater survey, depth 60 m. Plovput
- Underwater excavation, stone. Hotel SIRENA – HVAR (subcontract)
- Repair and sinking of refloated outfall pipe, length 1500 m. AIRPORT – SPLIT (turnkey)
- Foundation construction and installation of 150 ton prefabricated concrete element. Acid polluted water, zero visibility. DUGI RAT (subcontract)
- Underwater installation PE and concrete pipes in flooded trenches length 6000 m. marina SUKOŠAN (subcontract)
- Sinking and positioning technology for installation of 5 section concrete intake pipe. Weight 2550 – 3500 ton / segment. Depth 30 m, low visibility. For POMGRAD. Site BOU HANIFIA dam - ALGIERS (subcontract)
- Trenching and installation of 5 parallel PE pipes across river Cetina. OMIŠ (turnkey)
- Pier wall construction length 65 m. UBLI – LASTOVO (turnkey)
- Foundation and installation of prefabricated pier wall, length 46 m marina MALI DRVENIK (subcontract)

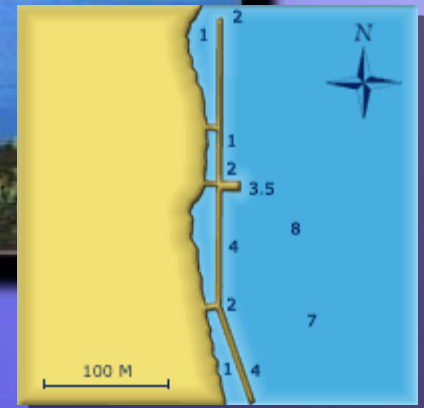
- Underwater outfall pipe installation. Length 1490 m, depth 82 m. Overflow pipeline, length 120 m, depth 12 m. BRAČ (turnkey)
- Underwater outfall pipeline installation. Length 800 m, depth 26 m. PLAT – DUBROVNIK (turnkey)
- Two overflow sewage pipelines, 160 / 159 m, depth 22 m. BOL (turnkey)
- Pier wall repair, BOL (turnkey)
- Outfall pipeline repair BOL (turnkey)

REFERENCES

- Two intake pipelines. Site survey, project documentation, installation. Pipe diameter 1600 mm. trenching silty sand, stone 1500 / 350 m³. TOBRUK – Libya (turnkey)
- Bathymetry, intake pipeline survey, pier columns survey, Columns demolition procedure. SUSA - Libya
- Intake pipeline length 3100 m. site survey, project documentation. Fish farm. FARUA - Libya
- Intake pipeline length 600 m. site survey, project documentation. Fish farm. GARABULI - Libya
- Firefighting pipeline, length 3890 m. project documentation, Installation management. TOBRUK – Libya
- Topographic site survey TMSAN, ADREY, SABHA, WADI al AHMAR ... 8000+ hectares
- Sewer pipeline length 1100 m, diameter 800 mm. site survey, Project documentation, construction management. ZAUZIA - Libya

Zut Kornati Croatia

Erection of
piers & outfall pipeline



**During construction of marinas
Zut - Korcula - Jezera - Sukosan
we performed**

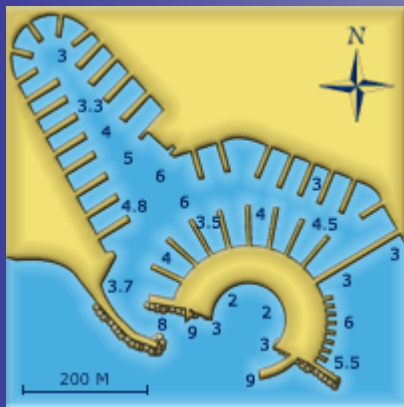
underwater / on land excavations

**underwater basement leveling and
installation of prefabricated
concrete elements**

concrete works

installation of mooring anchors

**installation of water pipelines,
sewer system
and rain water drainage pipelines**





Bol Croatia

Outfall sewer
pipeline erection

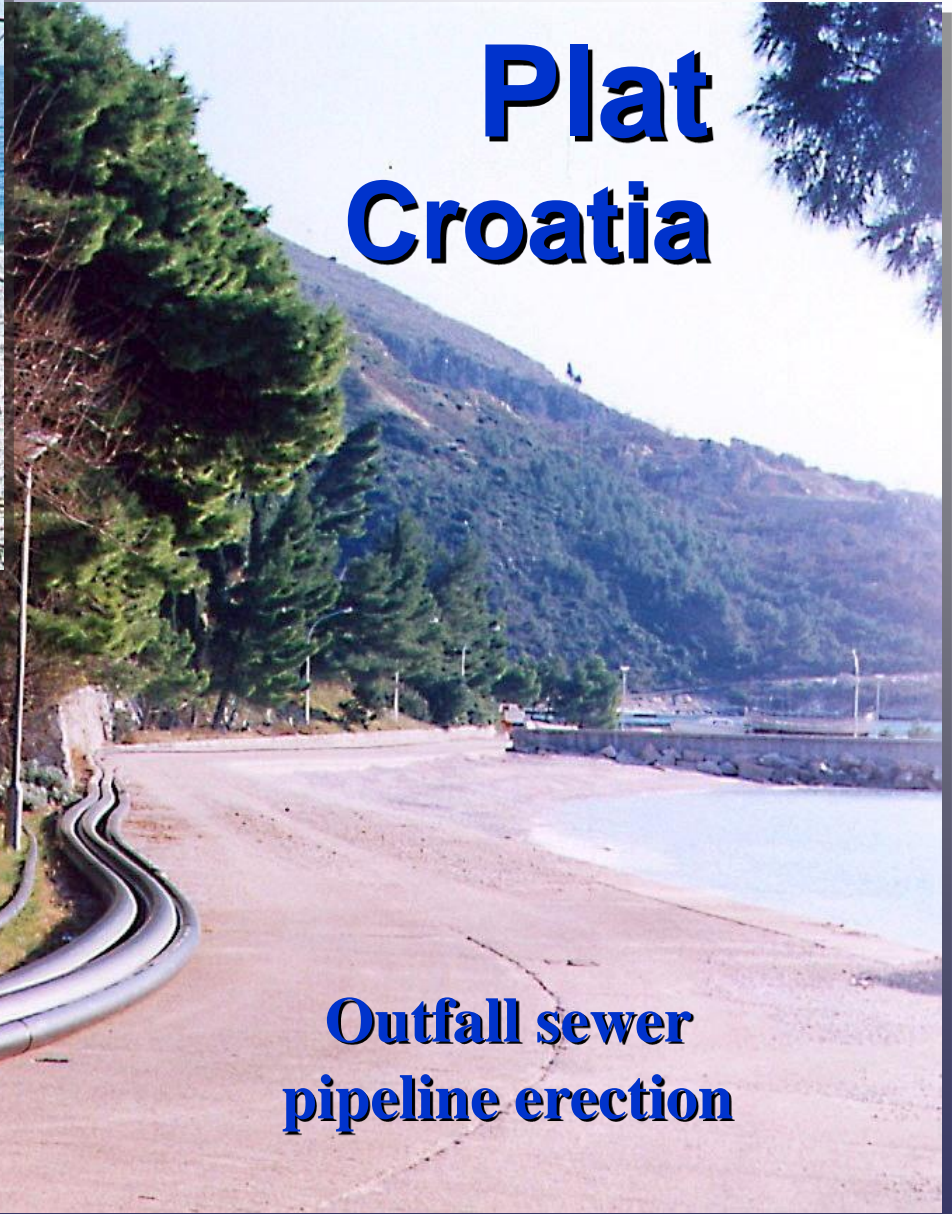


Pipeline:
Length 1400 m
Diameter 280 mm
Sea depth 82 mm
Underwater trench:
Length 100m
Excavated material:
95 m³ - stone





Plat Croatia



**Outfall sewer
pipeline erection**



Land portion:
 Pipeline:
 length 550 m
 diameter 225 mm

Trench:
 length 550m

Excavated material:
 stone 328 m³ gravel 256 m³

Underwater:
 Pipeline:
 length 800 m
 diameter 225 mm
 Sea depth 32 m

Trench:
 length 110m

Excavated material:
 stone 35 m³ clay 56 m³

Veli Drvenik Croatia

pier wall erection
length: 50m

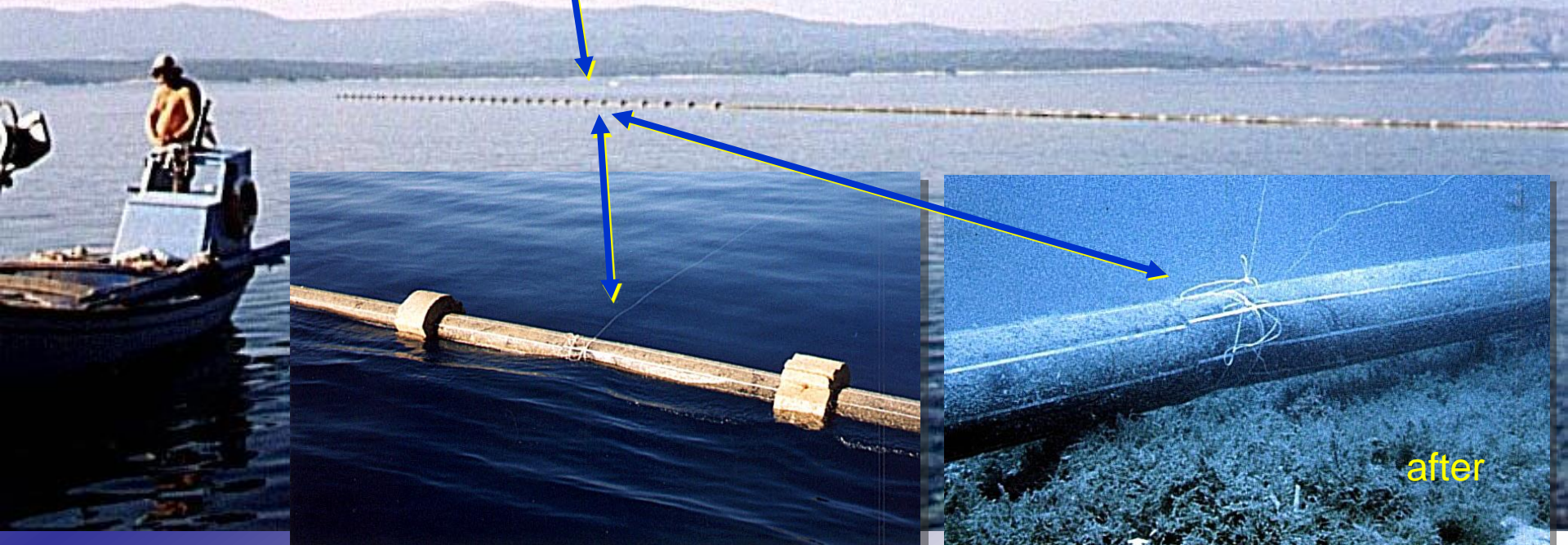
foundation & deepening
560 m³ stone





Bol Croatia Reparation

before



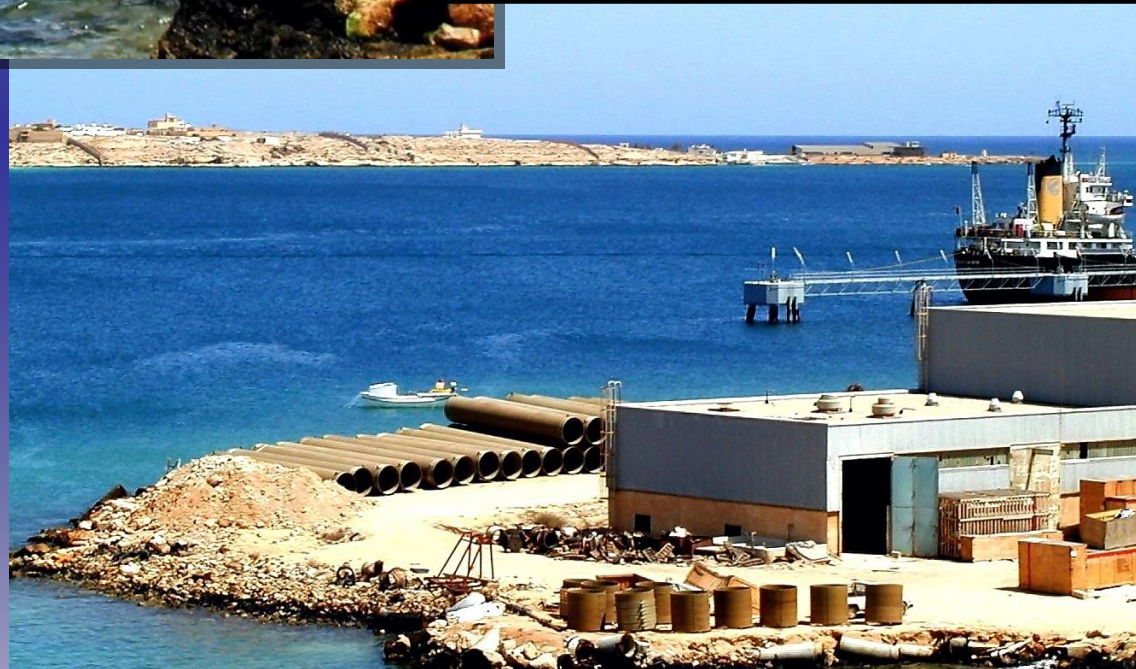
after



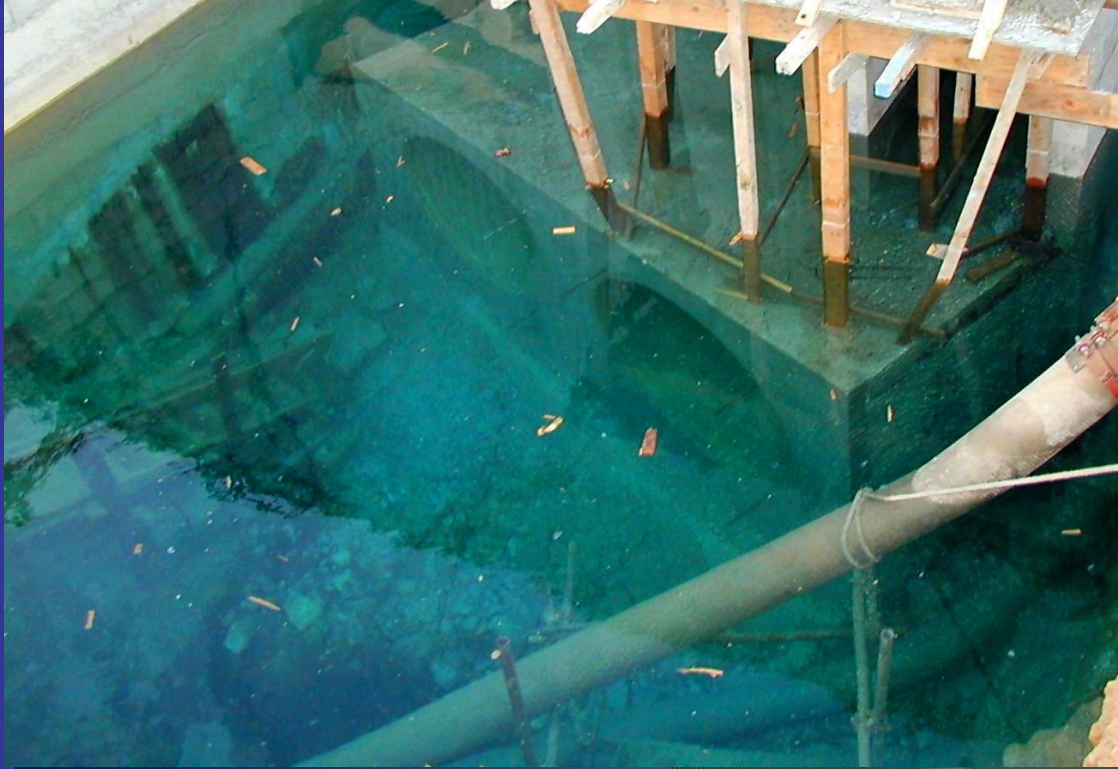
Tobruk Libya

Intake pipeline erection
Site: desalination plant





Underwater survey project documentation erection



Pipeline:
diameter 1600 mm
length 2 x 176 m

Trench:
width 4.5m
minimum depth 2.5m
length 140 m

Excavated material:
350 m³ rock, 1500 m³ silty sand



Tobruk Libya

Desalination pump
station

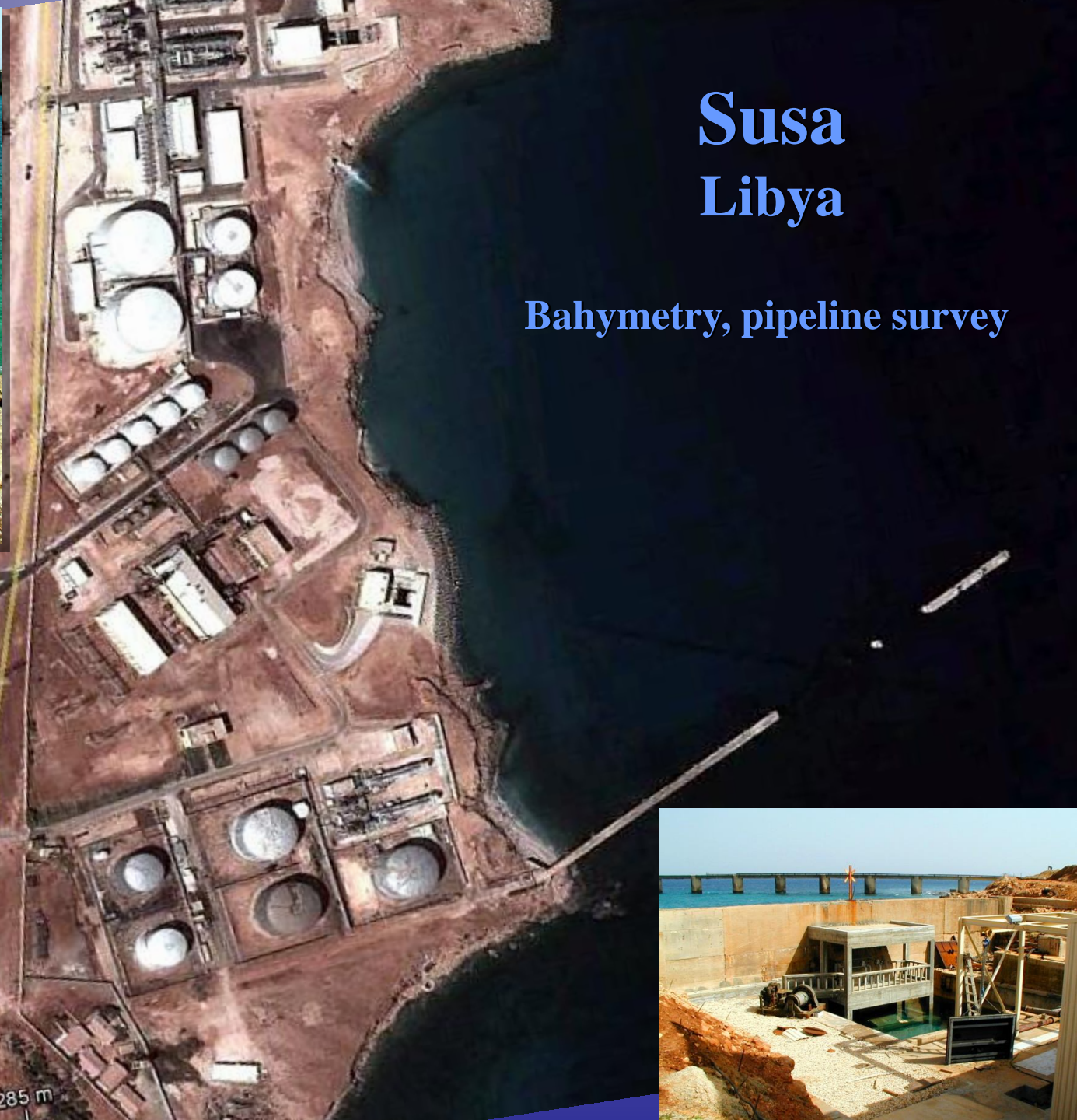


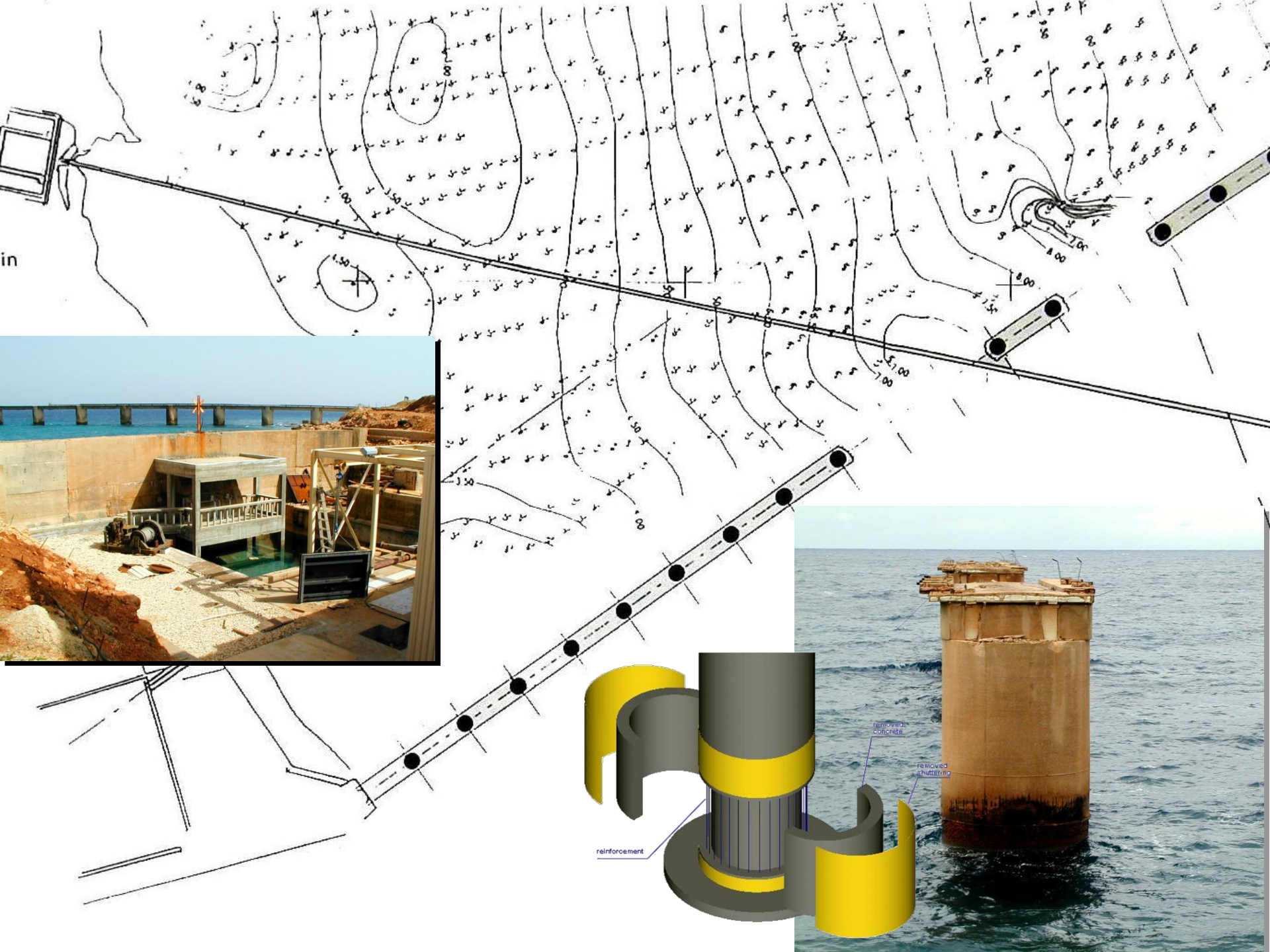
leading rails cleaning
sliding gates installation



Susa Libya

Bahymetry, pipeline survey







**Tobruk
Libya**





**Removal of
World War II
explosive devices**

**Farua
Libia
Seawater intake**



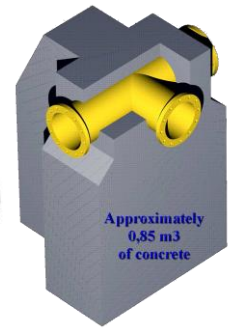
**Site survey and project for seawater intake pipeline, fish farm
Length 3100 m**

Garabuli Libia

Seawater intake pipeline



Site survey and project for seawater intake pipeline, fish farm
Length 600 m



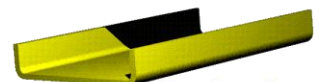
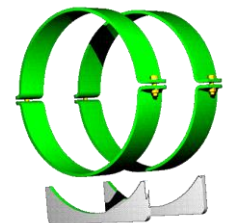
Al Brega Petroleum Marketing Company
Great Socialist Peoples Libyan Arab Jamahirija
28 March Terminal
Tobruk

Firefighting pipeline project

length 3890m

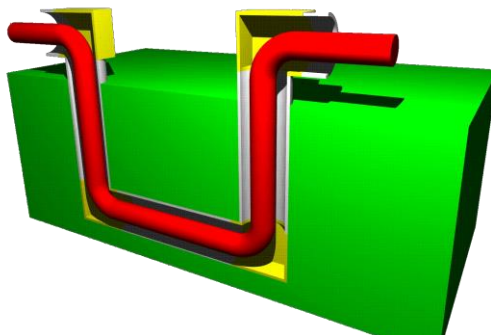
Tobruk - Libia

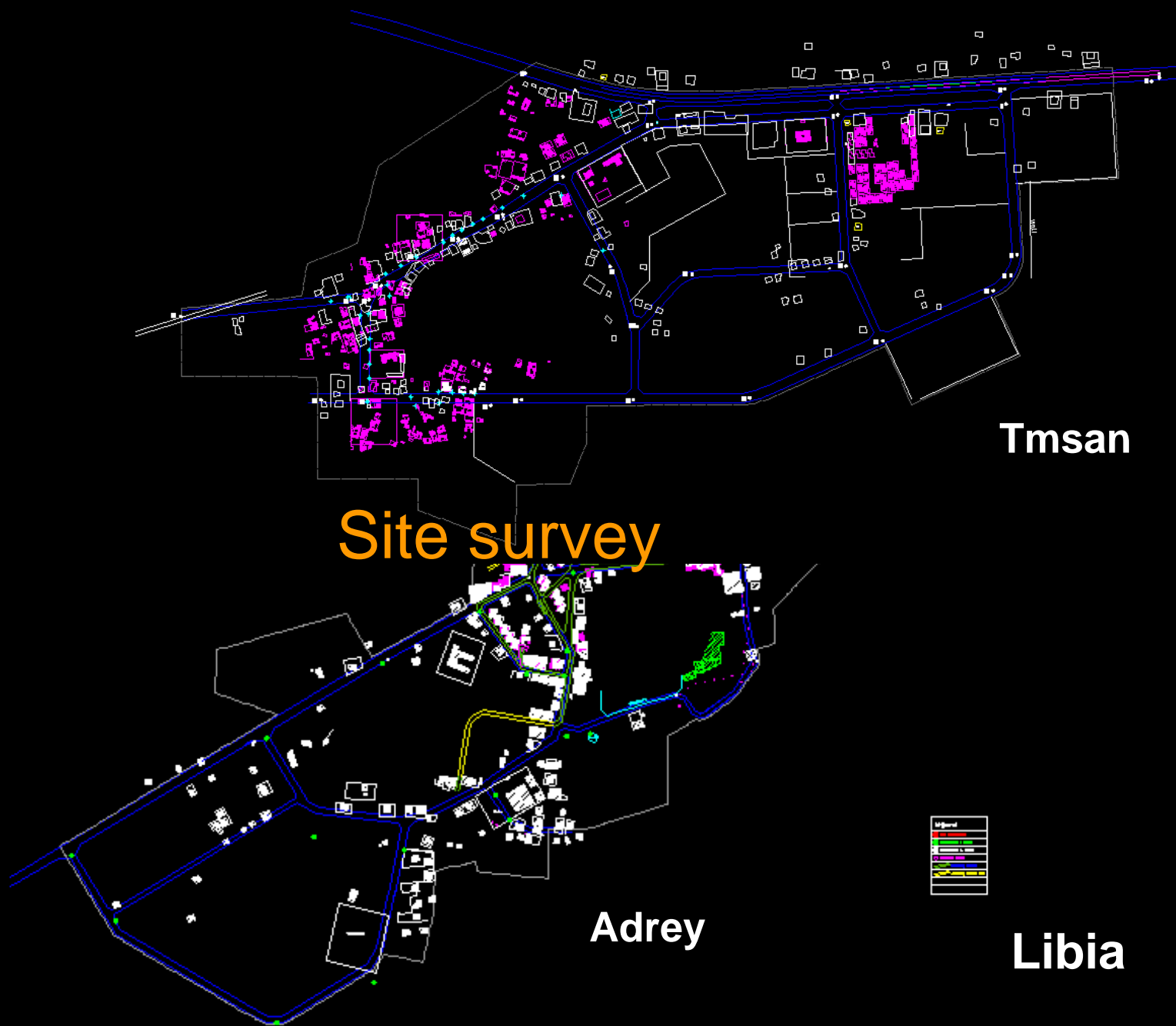
Replacement of existing underground fire fighting pipeline
Isometric drawings

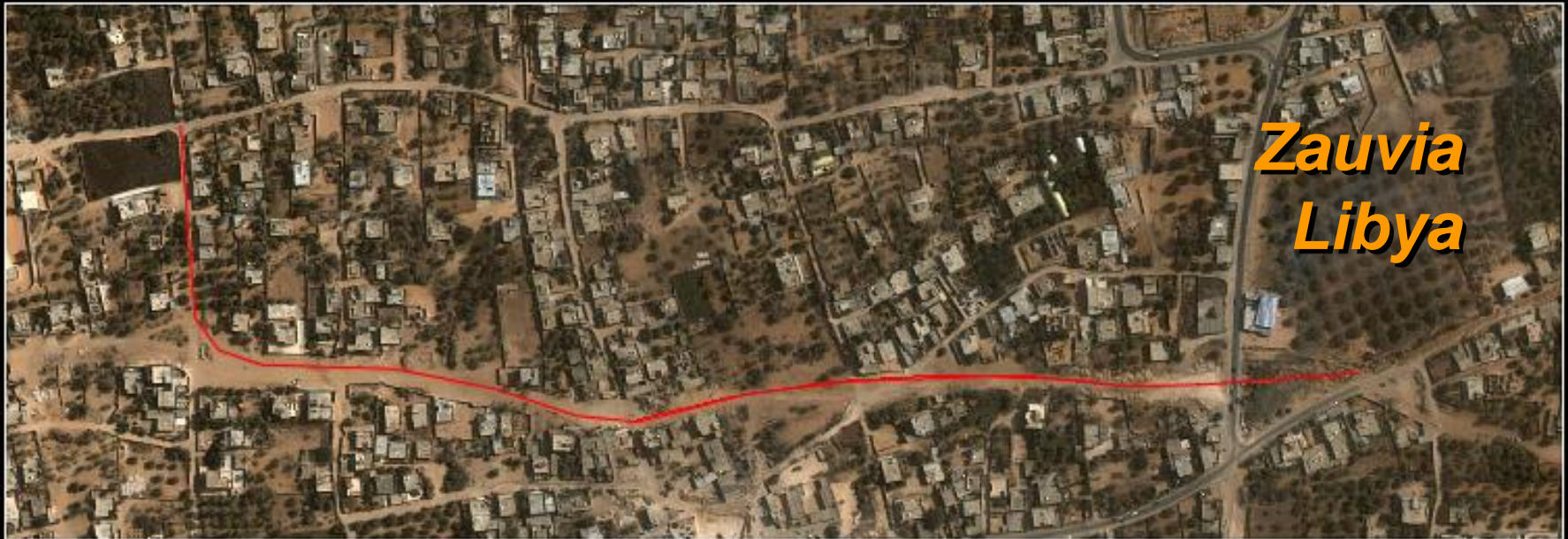


Design: Boris P.

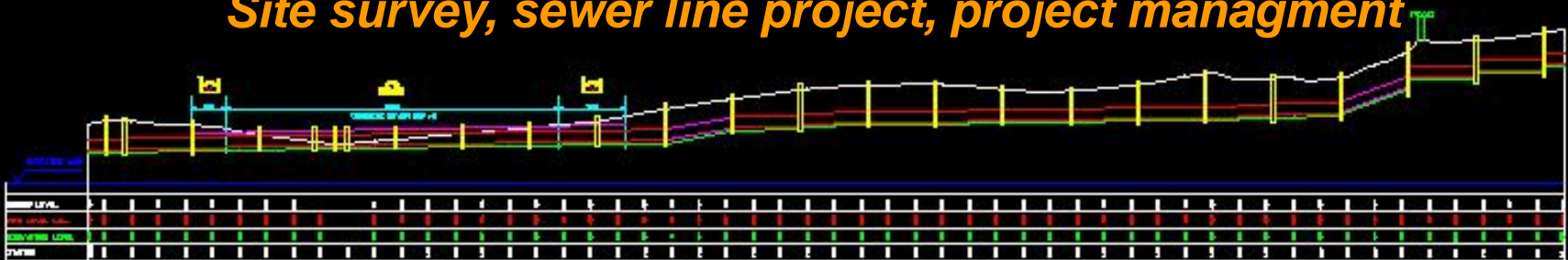
Approved by: _____







Sewer pipeline length 1100 m, dia 800 mm
Site survey, sewer line project, project managment

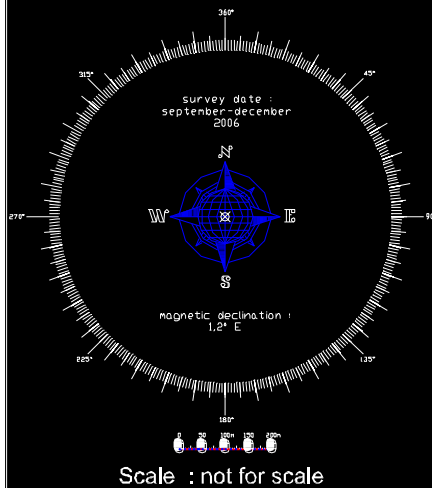


Ingeneering office
Mediterranean sea
Tripoli

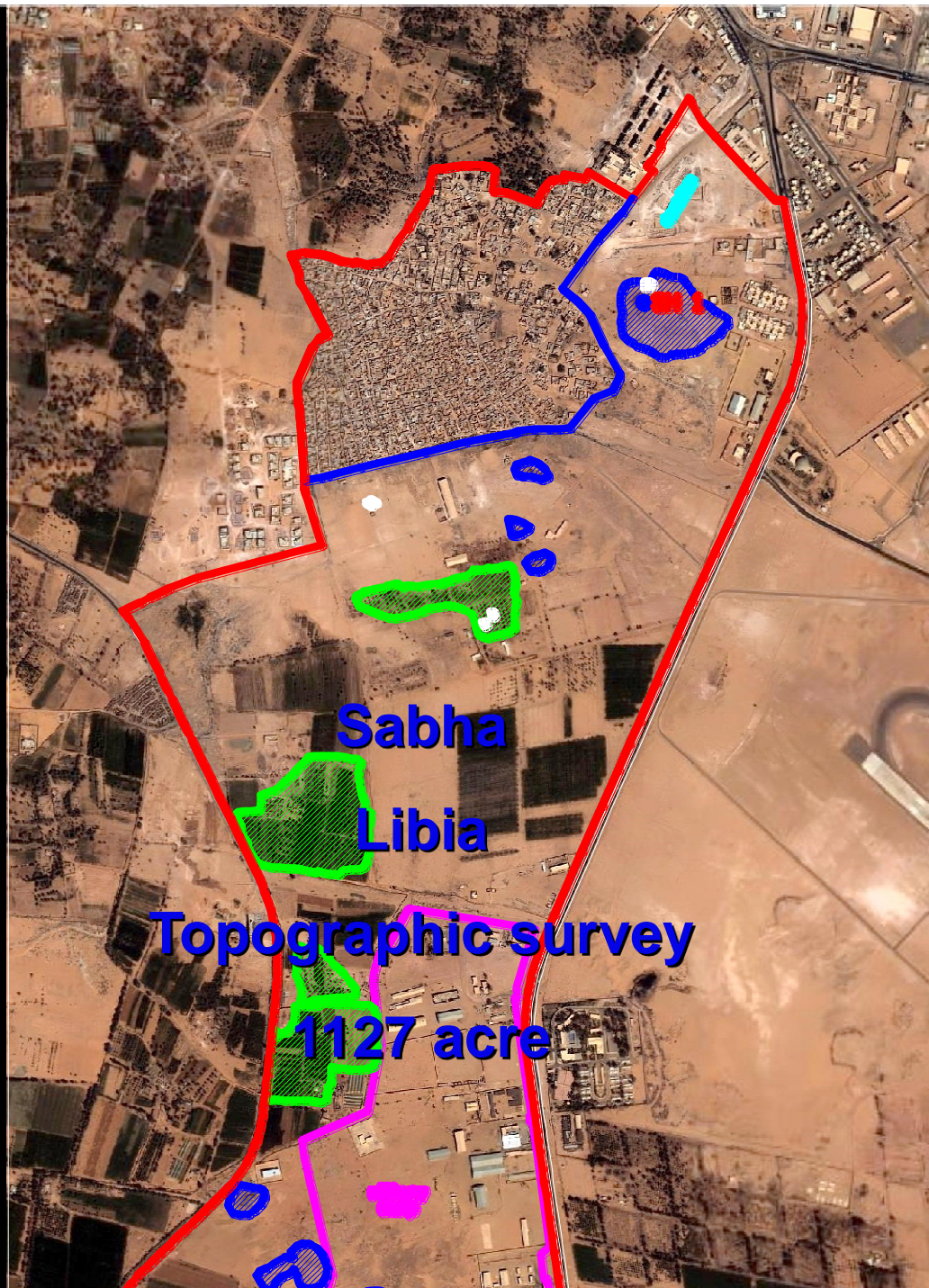
Location : Sabha

Site : Camp Tayuri

Drawing : 1



Bench marks



Ingeneering office
Mediterranean sea
Tripoli

on this drawing border is
marked by red outline

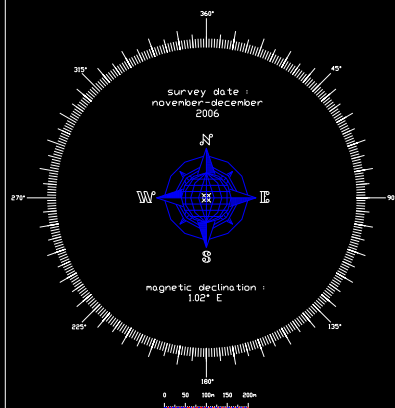
East border
inner edge of Ubari road

West border
inner edge of Agricultural
road

South border
wall of Agricultural University

Site : Sabha

Drawing : 3 contour lines



Scale 1 : XX

Bench marks coordinates datum LTM 2

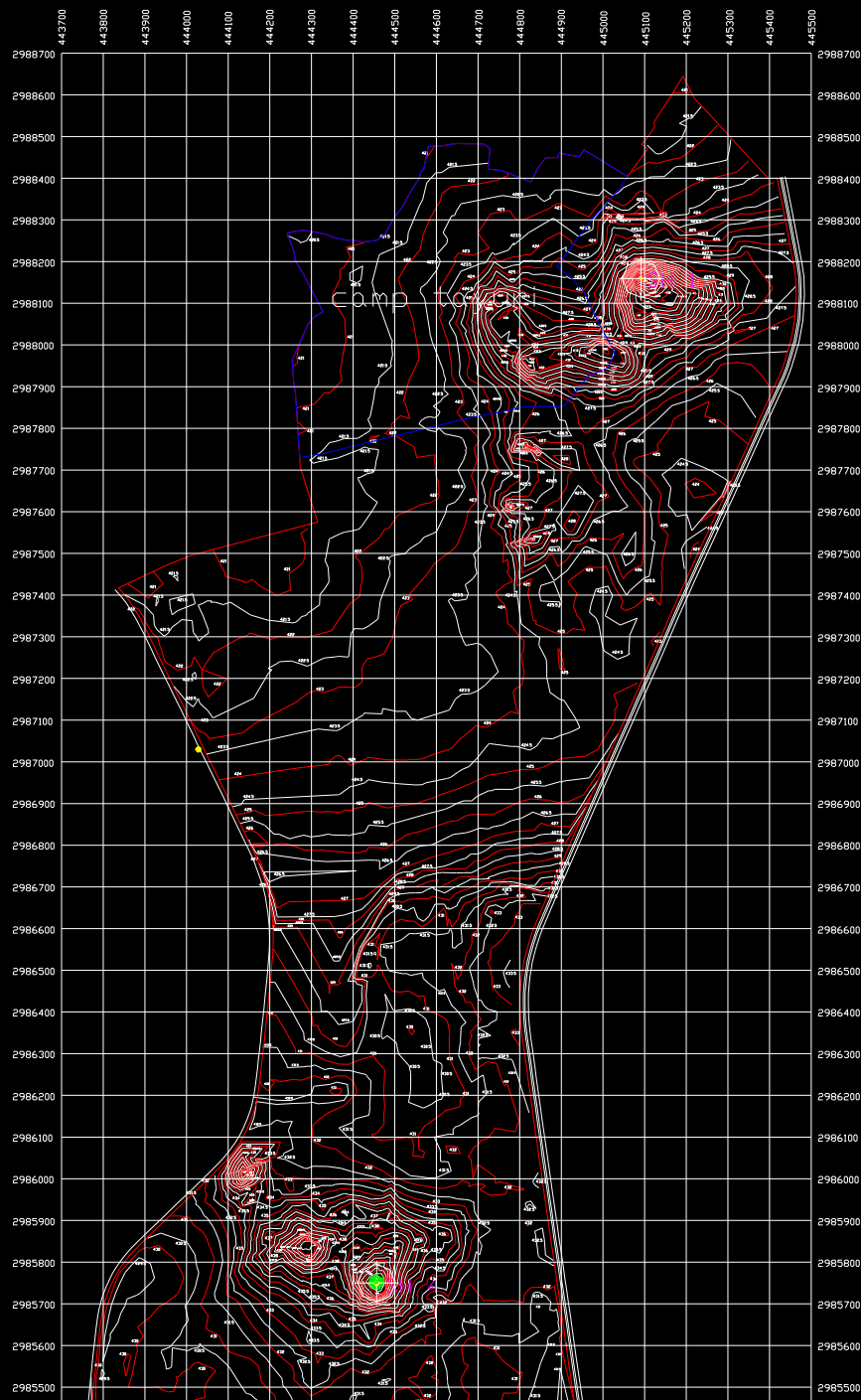
SH 1 = 2988159.18 / 445091.61 / Elevation 445.64
SH 4 = 2985750.17 / 444456.53 / Elevation 448.82
SH 5 = 2984204.93 / 444513.63 / Elevation 439.69
SH 6 = 2984630.28 / 444452.35 / Elevation 442.80

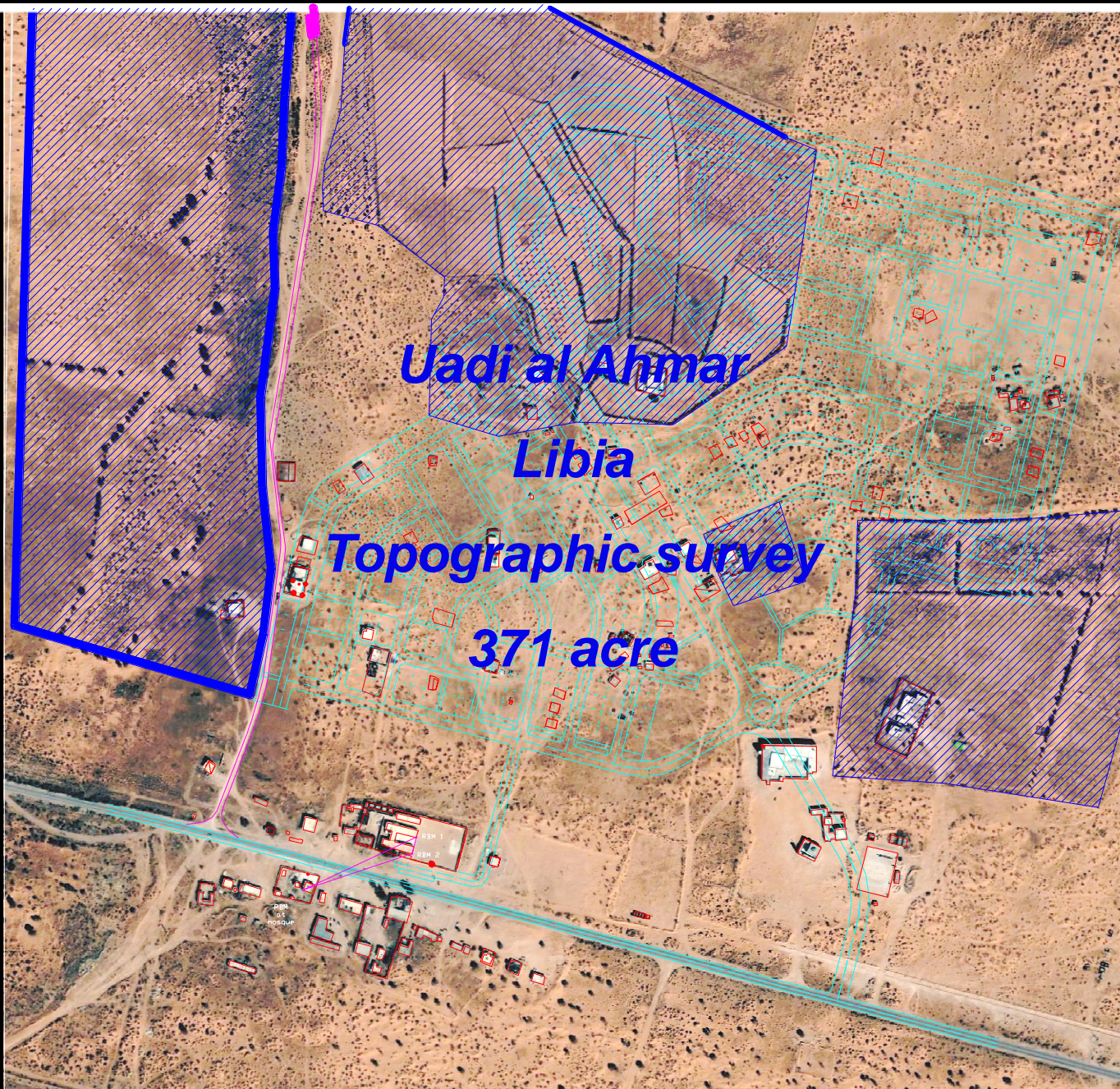
Survey performed by:

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Surveyor : Boris Badurina





الجمهورية العربية الليبية الشعبية الاشتراكية العظمى
 اللجنة الشعبية العامة
 جهاز تنفيذ مشروعات الإسكان والمرافق
 مشروع احداث منطقتات منظومات لمياه / صرف المصبي
 وتصريف مياه الامطار

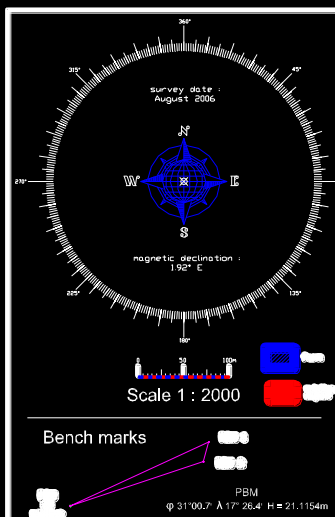
الاعمال المساحية



لمكتب الاستشاري الهندسي للمرافق

Site : Wadi al Hamar

Drawing 3 General plan



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Surveyor : Boris Badurlina

Survey Instrument :
 Sokkita 3130R3 - 441 Long-Range Reflectorless Total Station
 Serial number : 140294
 Telescope length: 3m
 Angle accuracy : 5"
 Accuracy : Reflectorless : 0.3 to 200m (1 to 650ft) cap + 20ppm x Dmm
 Over 200m (650ft) 1.4mm x Dmm
 2.5" + 10ppm x Dmm
 Reflector : 0.3 to 200m (1 to 650ft) cap + 20ppm x Dmm
 Reflector : 200m (650ft) 1.4mm x Dmm
 Reflector : 2.5" + 10ppm x Dmm



**Positioning of ship
sections**

Brodosplit



**Slavonska 11
21 000 Split
Croatia**

Tel / fax: 021 531 410

mobilni 095 871 0200

**E - mail
more_ing@yahoo.com**

more inzenjering

