

**PROFESSIONAL SOLUTION PARTNER
IN YOUR INVESTMENTS
SINCE 1982**



**INDUSTRIAL PLANTS
CONTRACTING & ENGINEERING CO. LTD. .**



Established in 1978, with the title of SANEL, which mean of INDUSTRIAL ELECTRICAL MEASUREMENT as a private enterprise by Mr. Ali Sait ATABAY, who is now our Founding President and symbolized EP SANEL.

From 1978 to 1982, EP SANEL has continued its commercial life as a personel enterprise. In 1982, Mr. Hakan Mehmet ARTAL who is now our Project Manager attended as a founding members and so took the LTD COMPANY title and it was the first step of the transition from the private enterprise adentity, to its professional commercial life.

Finally title of our company is provided as SANEL Endüstriyel Tesisler Mühendislik Ltd. Şti which mean of INDUSTRIAL PLANTS CONTRACTING & ENGINEERING LTD COMPANY which is called shortly SANEL LTD.

AREAS OF WORK

- ➔ Refineries,
- ➔ Power Plants,
- ➔ Chemical Plants,
- ➔ Steam Boilers,
- ➔ Industrial Gas Plants.

CERTIFICATED BY JAS-ANZ



QUALITY MANAGEMENT



QUALITY MANAGEMENT
ISO 9001:2008



ENVIRONMENTAL MANAGEMENT
ISO 14001:2004



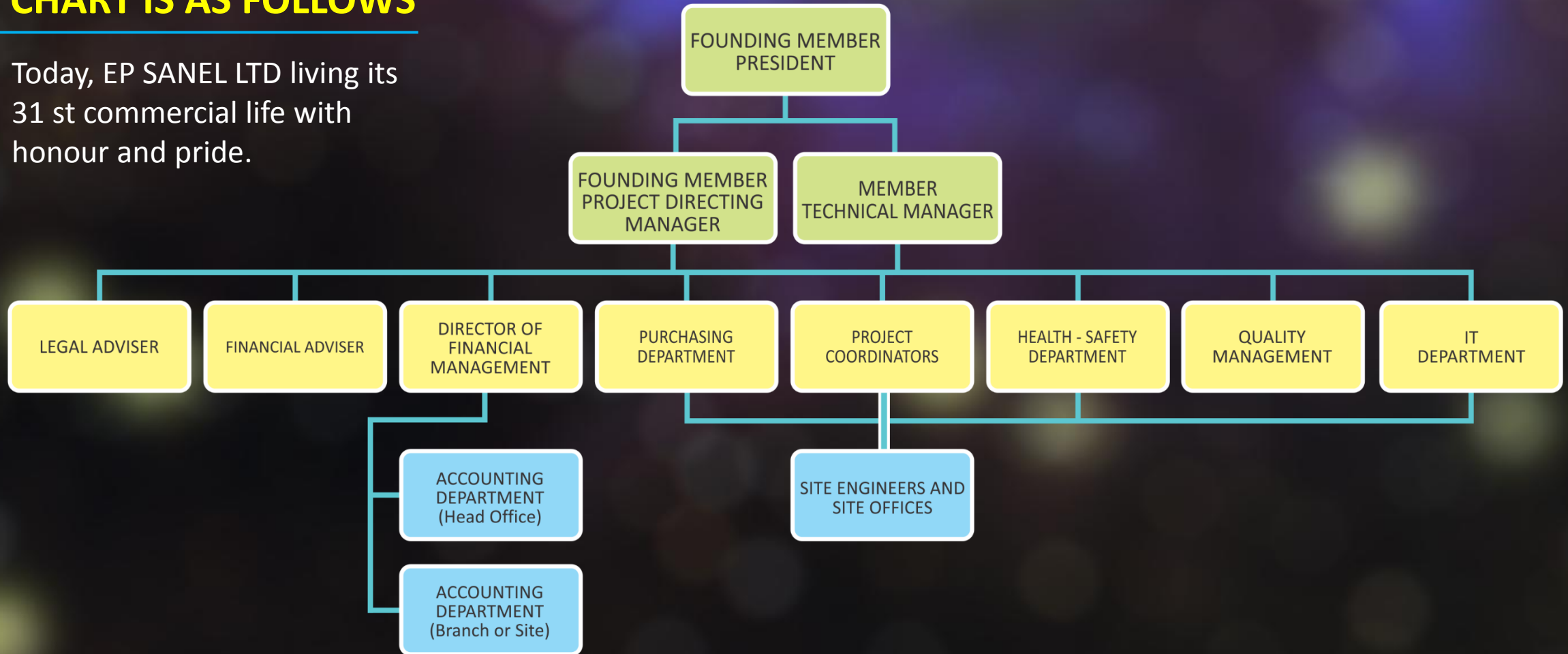
HEALTH & SAFETY MANAGEMENT
OHSAS 18001:2007

REGISTERED BY TURKISH PATENT INSTITUTE



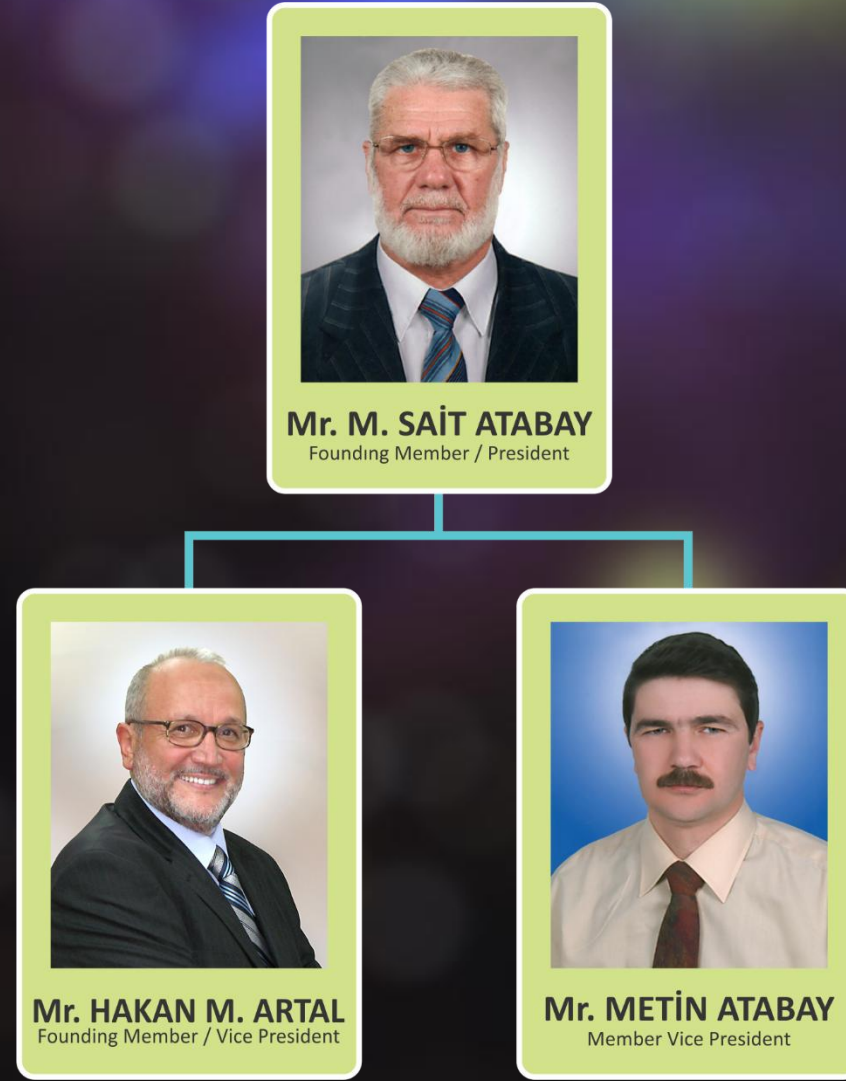
OUR ORGANIZATION CHART IS AS FOLLOWS

Today, EP SANEL LTD living its
31 st commercial life with
honour and pride.



OUR ORGANIZATION CHART IS AS FOLLOWS

Today, EP SANEL LTD living its
31 st commercial life with
honour and pride.



LEADER COMPANIES OF TÜRKİYE CONTINUES TO WORK WITH SANEL INDUSTRIAL PLANTS CONTRACTING & ENGINEERING COMPANY

SCOPE OF WORKS,

- ➔ Medium and Low Voltage Electrical Systems,
- ➔ Process Instrumentation,
- ➔ Industrial Automation,
- ➔ Software Engineering (PLC & SCADA)
- ➔ Illumination and Security Systems,

LEADER COMPANIES OF TÜRKİYE CONTINUES TO WORK WITH SANEL INDUSTRIAL PLANTS CONTRACTİNG & ENGINEERING COMPANY

- Fire Fighting Systems,
- Explosion Proof Systems,
- Mechanical Piping,
- Electrical Heat Tracing,
- Steel Construction,
- Steel Platform Manufacturing.

SOME OF OUR REFERENCES



GSIP Gasolin
Inspection Project

2008 TÜPRAŞ İzmir Refinery

SOME OF OUR REFERENCES



GSIP Gasolin
Inspection Project

2008 TÜPRAŞ İzmir Refinery

SOME OF OUR REFERENCES



GSIP Gasolin
Inspection Project

2008 TÜPRAŞ İzmir Refinery

SOME OF OUR REFERENCES



DHRP Desulphurisation Resid Up Project

TÜPRAŞ İzmit Refinery
2006 ALARKO & AKFEN

SOME OF OUR REFERENCES



DHRP Desulphurisation Resid Up Project

TÜPRAŞ İzmit Refinery
2006 ALARKO & AKFEN

SOME OF OUR REFERENCES



DHRP Desulphurisation Resid Up Project

TÜPRAŞ İzmit Refinery
2006 ALARKO & AKFEN

SOME OF OUR REFERENCES



First Step Iron Slab
Casting Project

İSDEMİR - 2007 SİSTEM YAPI

SOME OF OUR REFERENCES



First Step Iron Slab
Casting Project

İSDEMİR - 2007 SİSTEM YAPI

SOME OF OUR REFERENCES



First Step Iron Slab
Casting Project

İSDEMİR - 2007 SİSTEM YAPI

SOME OF OUR REFERENCES



Modernization of
9K 201 A, B, C, D,
Power Turbines
Control Systems

2009 TÜPRAŞ İzmit Refinery

SOME OF OUR REFERENCES



Modernization of
9K 201 A, B, C, D,
Power Turbines
Control Systems

2009 TÜPRAŞ İzmit Refinery

SOME OF OUR REFERENCES



Modernization of
9K 201 A, B, C, D,
Power Turbines
Control Systems

2009 TÜPRAŞ İzmit Refinery

SOME OF OUR REFERENCES



LINDE Air Separation
Plant

2005 HABAS

SOME OF OUR REFERENCES



LINDE Air Separation
Plant

2005 HABAS

SOME OF OUR REFERENCES



LINDE Air Separation
Plant

2005 HABAŞ

SOME OF OUR REFERENCES



Nitrogen and
Hydrogen
Production Plant

2009 LINDEGAZ

SOME OF OUR REFERENCES



Nitrogen and
Hydrogen
Production Plant

2009 LINDEGAZ

SOME OF OUR REFERENCES



Nitrogen and
Hydrogen
Production Plant

2009 LINDEGAZ

SOME OF OUR REFERENCES

Costic Production Plant

2007 KORUMA KLOR ALKALI



SOME OF OUR REFERENCES

Costic Production
Plant

2007 KORUMA KLOR ALKALI



SOME OF OUR REFERENCES

Costic Production Plant

2007 KORUMA KLOR ALKALI



SOME OF OUR REFERENCES

Modernization of
the 4 th Spiral Pipe
Machine

2007 MANNESMAN



SOME OF OUR REFERENCES

Modernization of the 4 th Spiral Pipe Machine

2007 MANNESMAN



SOME OF OUR REFERENCES

Modernization of
the 4 th Spiral Pipe
Machine

2007 MANNESMAN



SOME OF OUR REFERENCES

TEL-B Dram
Madernization

2003 TÜPRAŞ İzmit Refinery



SOME OF OUR REFERENCES

TEL-B Dram Madernization

2003 TÜPRAŞ İzmit Refinery



SOME OF OUR REFERENCES

Railway Wagon
Unloading System
10 inch Mechanical
Pipe Erection

2009 TÜPRAŞ İzmit Refinery



SOME OF OUR REFERENCES

Railway Wagon
Unloading System
10 inch Mechanical
Pipe Erection

2009 TÜPRAŞ İzmit Refinery



SOME OF OUR REFERENCES

Railway Wagon
Unloading System
10 inch Mechanical
Pipe Erection

2009 TÜPRAŞ İzmit Refinery



SOME OF OUR REFERENCES

28 inch Mechanical Pipe Erection

2009 TÜPRAŞ İzmit Refinery



SOME OF OUR REFERENCES

28 inch Mechanical Pipe Erection

2009 TÜPRAŞ İzmit Refinery



SOME OF OUR HISTORICAL WORK EXPERIENCE CERTIFICATES;

ALARKO & AKFEN
ALŞİM ALARKO SANAYİ TESİSLERİ VE TİCARET A.Ş.
AKFEN İNŞAAT TURİZM VE TİCARET A.Ş.
TÜPRAŞ İZMİT KÜKÜRT GİDERME PROJESİ
ADI ORTAKLIĞI
Tel : 90 (262) 527 92 92 (Pbx) Fax : 90 (262) 527 92 83

TARİH : 06.02.2008

İŞ BİTİRME BELGESİ

İŞ VEREN : ALŞİM ALARKO SAN TES VE TİC AŞ
AKFEN İNŞ.TURİZM VE TİC AŞ. ADI ORTAKLIĞI

İŞ YERİ : TÜPRAŞ İZMİT RAFİNERİSİ
PETROL CADDESİ KÖRFEZ / KOCAELİ

İŞİN ADI : DHRP KÜKÜRT GİDERME PROJESİ

FİRMA ADI : SANEL ENDÜSTRİYEL TESİSLER MÜT. VE MÜH. LTD. ŞTİ.

SÖZLEŞME KONUSU : DHRP ÜNİTESİ KAPSAMINDAKİ ENSTRÜMAN MONTAJ İŞLERİ

SÖZLEŞME TARİHİ : 13.10.2005

GEÇİCİ KABUL TARİHİ : 19.11.2007

İLK KEŞİF TUTARI : 845.350,00 YTL+KDV

SON KEŞİF TUTARI : 112.815,23 YTL+KDV (Sözleşmenin YTL kısmı)
644.271,64 USD+KDV (Sözleşmenin USD'ye dönüşen kısmı)

Yukarıda adı geçen firma sözleşme kapsamındaki işleri tamamlamış olup, iş bu belge şirketin isteği üzerine verilmiştir.

Saygılarımızla,

ALARKO & AKFEN
ALŞİM ALARKO SANAYİ TESİSLERİ VE TİCARET A.Ş.
AKFEN İNŞAAT TURİZM VE TİCARET A.Ş.
TÜPRAŞ İZMİT KÜKÜRT GİDERME PROJESİ
ADI ORTAKLIĞI
KÖRFEZ YOLU 509 022 5383
PE. İZMİR, KÖRFEZ KOCAELİ 0 262 527 92 82

ALARKO&AKFEN 2007_TÜPRAŞ izmit DHRP
Desulphurisation Plant Instrumentation

ANSALDO
CALDAIE S.p.A.

TOKAR

Ref: 253A-ACTS/SA/L0002/PD
Date:19/February/2007

From: **CONSORTIUM ANSALDO-TOKAR SITE**
Mr. Paolo DECIMA

To : **WHOM IT MAY CONCERN**

Subject: **PETKİM-ALİAĞA MODERNIZATION OF STEAM GENERATING PLANT**
Loop Check for Boiler 3, Boiler 4 and Common B modernization

Dear Sirs,

With reference to the Project of our well estimated Client **PETKİM PETROKİMYA HOLDİNG A.Ş.**, related to the modernization of boilers in Aliaga, Turkey, this is to certify, that Sanel Company guided by Mr. Hakan Mehmet ARTAL, provided its services in carrying out part of the loop checks for boiler 3 and 4 and Common B, from 25 October 2006 to 16 December 2006.

I found Sanel group, composed by six engineers, competent and well organized.

I have no prejudice in suggesting their services to other Companies, involved in similar activities.

Best regards,

Paolo DECIMA
Ansaldo/Tokar Consortium
Site Manager

ANSALDO
CALDAIE S.p.A.

CONSORTIUM
ANSALDO CALDAIE - TOKAR
SITE MANAGER
P. DECIMA

Page 1 19 February 2007 Certificato di esecuzione lavori

ANSALDO 2206_PETKİM Aliğa Steam Boilers
Loop Checks & Supervision

GS Engineering & Construction
SITE OFFICE, PK 70 ALIAGA İZMİR/ Turkey, TUPRAS İzmir Refinery
Tel : 90(232) 617-1371, Fax : 90 (232) 617-2086

SANEL Industrial Plants Eng. & Const. Co., Ltd.
K. Dink Mahallesi İstiklal Cd.
No. 43/4 Aliaga, İzmir, TÜRKİYE
Tel) (232) 617-1907 Fax) (232) 617-0468

October 14, 2005

Dear Mr. Hakan Mehmet ARTAL,

We very much appreciate your corporation and help in the TUPRAS İzmir DHP Project. Your devoted endeavor are helped us to complete this valuable project.

We were very much impressed with the execution of following engineering & construction work, which was better than our expectation, and will gladly recommend your service to our other projects if necessary. If you have no objections, we would also like to recommend your name to our Clients in the other projects as well.

1) **Fire Alarm System**
- Design of Cable Route and Cabling
- Supply of Construction Materials
- Manufacturing of MCP, Horn and Lamp Support
- Construction Work (Cabling & Termination, Cable Tray, Conduit, Local Remote Control Panels, Deluge valve local controllers, UPS Power Distribution Panel
- Testing and Assistance for Start-up
- Construction Period
(15 June 2005 ~ 1 September 2005)

2) **Fire Fighting System (FM200 System)**
- Design of the Isometric Drawings for FM200 Systems
- Material Take-off
- Installation of the FM200 System
- Testing and Assistance for Start-up
- Construction Period
(19 June 2005 ~ 29 September 2005)

You can rest assured that we will contact you again whenever we will involve in any other similar projects requiring your outstanding expertise and professionalism.

Sincerely Yours,

I. K. Kang
Project Manager

GS Engineering 2005_TÜPRAŞ İzmir DHP Project
FM 200 and Fire Alarm Systems

HABAŞ 2001_ALİAĞA 2x18 MW Diesel Energy Turbine Mechanical

HABAŞ 2001_BİLEÇİK 1x18 MW Diesel Energy Turbine Electrical & Mechanical

METIS 1990_DALAMAN Paper Industry Soda Boiler Electrical & Instrumentation

METİS
Metis Metal Teknik Sanayi ve Ticaret A.Ş.

14 Mayıs 1990

ILGİLİLERE,

Fransız Babcock Entrepriise ve Şirketimizce yüklenilen SEKA
Dalaman Müessesesi Soda Kazanı Tamir ve Modifikasyonu işinde,
Sanel Ltd. Şti. elektrik ve enstrümantasyon işleri taşaronumuz
olarak başarı ile şirketimize hizmet vermiştir.

Bu belge Sanel Ltd. Şti.'nin isteği üzerine verilmiştir.

Saygılarımızla,
METİS A.Ş.

S. Ağar

S.Ağar
Proje Müdürü

METİS METAL TEKNİK SANAYİ VE TİCARET ANONİM ŞİRKETİ
NOLLABAYIRI-SOKAKI NO:6-İSTANBUL
TEL : (0) 43 78 86 13 14 15 16 17 18 19 (0) 148 27 71
TELEFAX : (0) 148 44 00 FİSKİS : 14218 METİS-TK

SOME OF OUR HISTORICAL WORK EXPERIENCE CERTIFICATES;

TEKFEN İMALAT VE MÜHENDİSLİK ANONİM ŞİRKETİ

Address : Ulus Mahallesi Tekfen Sitesi C Blok
Etiler - İstanbul
Cable : Tekfenim - İstanbul
P.O.Box : 88 Mecidiyeköy - İstanbul
Phones : 165 96 07 (3 Lines)
Telex : 26305 tlen tr.

SANEL
Sanayi ve Ticaret Ltd.Şti.
Demiryolu Cad.
Karabaş Mah.
Köseoğlu Sok.No.5/2
İZMİR

Istanbul, May 2, 1984
84/ 528
Job No.240

TO WHOM IT MAY CONCERN

SANEL Sanayi ve Ticaret Ltd.Şti. has satisfactorily and promptly completed the installation of instrumentation, lighting, alarm system, grounding; power and control cable laying, panel manufacturing and erection, power transformer erection; manufacturing and installation of tank level indicators, and other related necessary electrical works and services for an "Fuel Oil Unloading, Storage, Heating, and Pumping Facilities" which was constructed and erected by our company in Petrol Ofisi Depot in Iskenderun, Turkey in behalf of Technipetrol S.p.A. of Italy.

The total contract value of the Job undertaken by SANEL was TL. 11.500.000.-, and the job was completed in a very short period between September 1983 and March 1984.

Very truly yours,
TEKFEN İMALAT VE MÜHENDİSLİK A.Ş.
TUNÇ ŞARMAN
Engineering Manager

TEKFEN VE/ht

TEKFEN 1984_İSKENDERUN Fuel Oil Unloading, Storage, Heating Systems Electrical & Instrumentation

TEKFEN İMALAT VE MÜHENDİSLİK ANONİM ŞİRKETİ

Address : Ulus Mahallesi Tekfen Sitesi C Blok
Etiler - İstanbul
Cable : Tekfenim - İstanbul
P.O.Box : 88 Mecidiyeköy - İstanbul
Phones : 165 96 07 (3 Lines)
Telex : 26305 tlen tr.

SANEL
Sanayi ve Ticaret Ltd.Şti.
Demiryolu Cad.
Karabaş Mah.
Köseoğlu Sok.No.5/2
İZMİR

Istanbul, 8 Mayıs 1984
84/ 528
İş No.202

İLGİLİLERE

Şirketimizin TÜPRAS İzmit Rafinerisi (eski adıyla İPRAS) Plant-6 Platformer Ünitesi sahasına kurduğu ve iki adet buhar kazanı ve bir adet hidrokarbon ısıtıcısından oluşan komple Atık Isı Kazanım Sisteminin (Waste Heat Recovery) 4.400.000.-TL. bedelli elektrifikasyon, enstrümantasyon, aydınlatma, pnömatik/elektronik ölçme kontrol ve kumanda devreleri, alarm, interlocking, topraklama işleri, kablo ve konduit döşeme, pano imalatı ve mevcut pano modifikasyonu, loop-check ve benzeri ilgili işler SANEL Sanayi ve Ticaret Ltd.Şti. tarafından derubte edilerek zamanında ve matluba uygun olarak tamamlanmıştır.

Bilgilerinize sunarız.

Saygılarımızla,
TEKFEN İMALAT VE MÜHENDİSLİK A.Ş.
TUNÇ ŞARMAN
Mühendislik Bölümü Müdürü

TEKFEN VE/ht

TEKFEN 1984_Waste Heat Recovery System Electrical & Instrumentation

TEKFEN İMALAT VE MÜHENDİSLİK ANONİM ŞİRKETİ

Address : Ulus Mahallesi Tekfen Sitesi C Blok
Etiler - İstanbul
Cable : Tekfenim - İstanbul
P.O.Box : 88 Mecidiyeköy - İstanbul
Phones : 165 96 07 (3 Lines)
Telex : 26305 tlen tr.

SANEL
SANAYİ VE TİCARET LTD. ŞTİ.
Demiryolu Cad. Karabaş Mah.
Köseoğlu Sok. No:5/1
İZMİR/KOCAELİ

Istanbul, 2 Şubat 1987
87/143

Sn. A. Sait Atabay'ın dikkatine,

Yarımcı Petrokimya San. ve Tic. A.Ş. Y.f.6. Buhar Kazanı Elektrik ve Enstrüman Montaj işlerinin yapılması ve 1 adet 1000 m3. küresel propilen tankı alarm sisteminin malzemeli montajı ve devreye alınması işleri ile ilgili olarak hazırlanan iş bitirme belgeleri ekte tarafınıza sunulmaktadır.

Saygılarımızla,
TEKFEN İMALAT VE MÜHENDİSLİK A.Ş.
F. ŞULE DİNÇSOY
MALİ İŞLER MÜDÜRÜ

Ek: 2 adet iş bitirme belgesi.

TEKFEN SG/bk

TEKFEN 1985_YARPET Sixth Steam Boiler Electrical & Instrumentation

SOME OF OUR HISTORICAL WORK EXPERIENCE CERTIFICATES;

Sayı : 87/143 Tarih : 4 Şubat 1987 Örnek : 5/a

Fotoğraf üstü Resmi Mühür.

İŞ BİTİRME BELGESİ

İşveren : Tekfen İmalat ve Mühendislik A.Ş.
 İşyeri : Yarımca-İzmit/KOCAELİ
 İşin adı : Yarımca/6.Buhar Kazanı Elektrik, Enstrüman Montajı
 İşlinin adı ve soyadı : Sanel Elektronik-Pinomatik-Hidrolik-ölçü ve Kontrol Sistemleri San. ve Tic. Ltd.Şti.
 Belgenin ne sıfatla verildiği (1): Tasarım
 İlk keşif tutarı : Rakam ve yazı ile 4.000.000.-TL.. (Dörtmilyon. Lira)
 Son keşif tutarı (2) : Rakam ve yazı ile 4.000.000.-TL.. (Dörtmilyon. Lira)
 Sözleşme tarihi : Rakam ve yazı ile 14.10.1985 (OnDört. Ekim BıkdokuzYüzsekksenbeş)
 Geçici kabul tarihi : Rakam ve yazı ile 5.12.1986. (Beş. Aralık. BıkdokuzYüzseksealtı)
 Kesin kabul tarihi : Rakam ve yazı ile

İMZA (X)

TEKFEN

AÇIKLAMA :

(1)- İşlinin mücahhit veya malzemeli taşeron olduğu açıklanacaktır.
 (2)- Kesin hesabın neticelenmediği hallerde en son hakediş raporundaki keşif tutarı (her türlü fiyat farkları hariç)
 (X)- Sözleşmeyi yapan Yetkili Makam. (Resmi mühür, kaşe, isim ve ünvan belirtilecektir.)

NOT :

Verilecek bilgilerin değerlendirilebilmesi için Örnek 6 daki, bu işe ait Müteahhitlik Kıymetlendirme Raporunun Bayındırlık ve İskân Bakanlığına gelmiş olması gereklidir.

O. M. - 668

TEKFEN 1987_1000 m3 Spherical Propylene Tank Electrical & Instrumentation

TEKFEN İMALAT VE MÜHENDİSLİK ANONİM ŞİRKETİ

İstanbul, 20 ARALIK 1990

MM90/1382

İLGİLİLERE

SANEL Elektronik-Pinomatik-Hidrolik-ölçü ve Kontrol Sistemler Sanayi ve Ticaret Ltd. Şirketi, taşaron sıfatıyla, TEKFEN İmalat ve Mühendislik A.Ş.'nin müteahhitliğini yaptığı DUSA Endüstriyel İplik Sanayi ve Ticaret A.Ş.'ye ait Endüstriyel İplik tesislerinin Elektrik ve Enstrüman işlerini başarı ile yapmıştır.

İşbu belge SANEL Ltd. şirketinin isteği üzerine verilmiştir.

Bilgilerinizi rica ederiz.

Saygılarımızla,
 TEKFEN İMALAT VE MÜHENDİSLİK A.Ş.

M. TURKULMAN
 GENEL MÜDÜR MURAVİN

TEKFEN

MG/ag

TEKFEN 1990_DUSA Industrial Yarn Factory Electrical & Instrumentation

TOKAR

TOKAR YAPI ve ENDÜSTRİ TESİSLERİ SANAYİ ve TİCARET A.Ş.

Reg. No: 531501551 (15760) Capital and Reserves 3.000.000.000.- TL.

İstanbul, February 24, 1987

SANEL Ltd. Şti.
 Demiryolu Cad. Karabaş Mah.
 Kabeoğlu Sok. No.5/1
 İzmit, KOCAELİ

YOUR REF :
 OUR REF : ŞG/dy3069-2.3.3

301

TO WHOM IT MAY CONCERN

The complete electrification, instrumentation, lighting, alarm, cable connections, panel erection works of TÜPRAŞ İzmit Refinery 3x150 m³/h Demin Water Plant, constructed by our company in consortium with Davş Bamaş / F.R.G., has been completed by SANEL Sanayi ve Ticaret Ltd. Şti. properly and according to the time schedule. The approximate value of the works is 5.900.000.-TL.

Yours faithfully,
 TOKAR
 Yapı ve Endüstri Tesisleri
 Sanayi ve Ticaret A.Ş.

Fazıl İndirginç

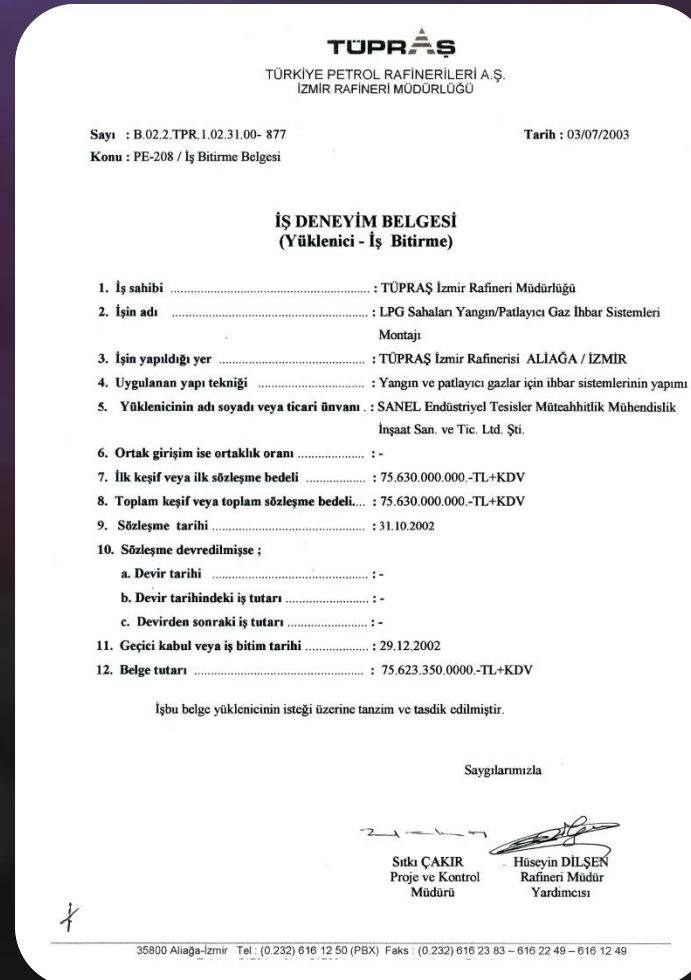
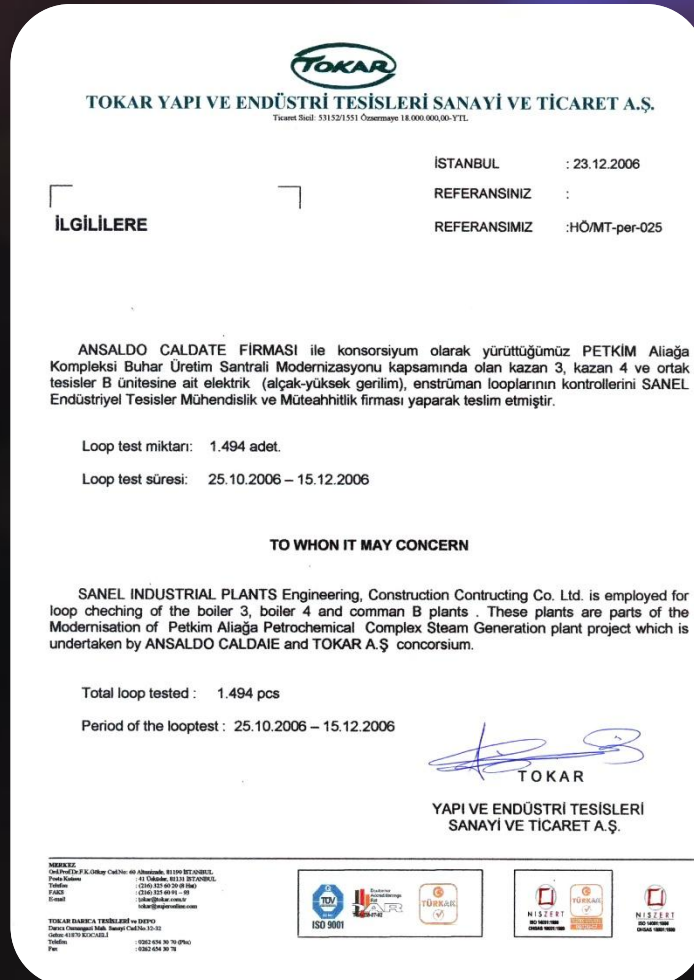
HEAD OFFICE
 Küçükcamlica Caddesi 81190 Alkuntaze - İSTANBUL
 Telephone : 334 92 50 (7 lines)
 P.O.Box : 41 Üsküdar - İSTANBUL
 Telex : 29172 İsan Tr - 24221 İsan Tr
 Telefax : 3344068
 Cables : TOKARAR - İSTANBUL

ANKARA OFFICE
 İzmir Caddesi 19/3
 06440 Yenimah - ANKARA
 Telephone : 250339 - 102433
 Telex : 42156 İsan Tr
 Cables : TOKARAR - ANKARA

TOKAR MANUFACTURING PLANT
 Fazılpaşa Sokak 5/5
 34020 Topkapı - İSTANBUL
 Telephone : 5782548-5782549

TOKAR 1987_ Demin Water Plant Electrical & Instrumentation

SOME OF OUR HISTORICAL WORK EXPERIENCE CERTIFICATES;



TOKAR 2006_PETKİM Aliğa Staem Generating Plant Electrical & Instrumentation

TÜPRAŞ 2002_LPG Storage Fields Explosion Proof Fire Fighting Alarm and Detection



INDUSTRIAL PLANTS CONTRACTING & ENGINEERING CO. LTD.

«Professional Solution Partner In Your Investments Since 1982»

**WE ARE READY TO DO BUSINESS WITH
31 YEARS EXPERIENCE**

www.sanelgrup.com.tr

bilgi@sanelgrup.com.tr

Thank you...