



# COMPANY PROFILE

CONFIDENTIAL FILE

DATE: 2024 / ISTANBUL- TURKEY

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**ATTN: To whom it may concern**

**Title:**

**BERR Industry Power Plant  
Engineering Services  
ELECTRO-MECHANICAL CONTRACTING Co.**

**Date of Study:**

Assessment Report: October. 30, 2022  
Final Report: July. 01, 2024

**Reporting Team:**

Murat CENGİZ, (Mech. Eng. )  
Umit CENGİZ, ( IT Tech. )  
Yakup OKSAS, ( Mech Eng. )  
Sevil CENGİZ, ( Admin. )

M.Eng. / Mechanical Engineer ::  
Elec.Eng. / Electrical Engineer ::

**Contact Info:**

**BERR Mühendislik / TR**  
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## BERR INDUSTRY Power Plants Engineering Services

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Commercial : BERR Muhendislik-Sevil Cengiz Registered Individual Engineering Company 6360247920

July 01<sup>th</sup>, 2023 /

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**BERR MÜHENDİSLİK / ENGINEERING**  
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### Foreword:

I would like to take this opportunity to introduce BERR Industry ( [www.berrindustry.com](http://www.berrindustry.com) ) to your esteemed Company, and to inform you of our relative experiences in power projects ( heavy duty industrial erection/maintenance/supervision/commissioning works).

Since the beginning of our work life, for over 24 years, BERR Engineering Field Services has covered a significant development in the field of energy by providing reliable and accomplishing service in worldwide. By means of our excitement, emotion, courage, enthusiasm and expert team, we aim to increase our support quality to our estimable customers about their continuous, clean and low cost energy requirements.

Since BERR Engineering - Sevil CENGİZ- established, in 2013, we have proved our professional quality and expertise in the sector with the successful job of power plant relocation, transport, re-erection, supervision, commissioning, operation and maintenance projects, which is carried out by our own team, being the first in the world without the support of main suppliers and manufacturers. We offer the following services:

- Comprehensive Power Plants Engineering Services
- Technical Evaluation & Industrial Assessment Services
- Turn-Key Industrial Relocation Engineering Services
- Manpower Providing Service for Heavy Duty

We have proved our professional quality and expertise in the sector with the successful job of industrial / power plant relocation, transport, re-erection, supervision, commissioning, operation and maintenance projects, which is carried out by our own team.

We look forward to your favorable response.

  
Respectfully Yours  
Murat CENGİZ  
Chief Technical Officer



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### ERECTION & INSTALLATION



Mechanical & Electrical Erection & Installation Works for Power Plants.

- HFO-Diesel Engine Plant
- Simple Cycle Gas Turbines
- Combined Cycle Gas & Steam Turbines
- Balance of Plant & Auxiliaries

### MAINTENANCE



Major Overhaul & Maintenance Works

- Diesel Engines
- Gas & Steam Turbines
- Heat Recovery Steam Boilers
- Balance of Plant & Auxiliaries

### SUPERVISION



Power Plants Supervision Services

- Turbine Assembly Supervision
- HRSG Assembly Supervision
- Isolated Phase Busbar Ducting Supervision
- Equipment Assembly Supervision



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### COMMISSIONING



#### Power Plants Commissioning Services

- Pre-commissioning
- Turbine First Fire
- HRSG First Blow
- Skid Unit Based Commissioning
- Diesel Engine Start-Up
- Unload-Load Tests

### RELOCATION



#### Industrial Plant Relocation Projects

- Power Plants
- Turbines, Rotary Equipment
- Refineries, Process
- Chemical Process
- Machine Lines

### MOBILE POWER STATIONS



#### Mobile Power Generating Solutions

- GE TM2500 -30MWe
- P&W FT8 -25MWe
- Mobile Diesel-HFO Stations
- Mobile Substations
- Containerized HFO Stations



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### PROFILE SUMMARY

#### 1. COMPANY NAME & ADDRESS

<b>Full Name of Company</b>	:	BERR Mühendislik - Sevil Cengiz Registered Individual Company'13
<b>Field of Activity</b>	:	Electrical and Mechanical EPC Contracting. Technical Manpower Providing Services. Relocation Engineering Services.
<b>Address of Head Office</b>	:	Postane Mah. Levent Sit I6 Tuzla Istanbul - TURKEY
<b>Founder</b>	:	Sevil CENGİZ
<b>Tax Office</b>	:	Tuzla V.D. - Tuzla – Istanbul / Istanbul Chamber of Commerce 7277-5
<b>Tax No</b>	:	6360247920 / 29647454090
<b>Phone-Box</b>	:	(+90) 5539737001
<b>Web Site &amp; E-Mail</b>	:	<a href="http://www.berrindustries.com">www.berrindustries.com</a> - <a href="mailto:info@berrindustries.com">info@berrindustries.com</a>
<b>Branches</b>	:	-
<b>Cooperation</b>	:	Uzay Electric Co. – Erbil, Iraq BERR Energy NIG Ltd. – Delta State, Nigeria Dora-Tech – Bremen, Germany China CNC Center – Chengdu, Sichuan, China Yiva Engineering – Antwerp, Belgium

#### 2. PERSON IN CHARGE OF CONTACT

<b>Name</b>	:	Murat CENGİZ
<b>Title</b>	:	Projects Coordinator ( Chief Technical Officer )
<b>Mobile No</b>	:	(+90) 553 9737001
<b>E-Mail</b>	:	cto@berrindustry.com

#### 3. CURRENTLY STATUS / As of 15.05.2017

<b>Annual Turn Over</b>	:	# 2.217.000,-USD (Two Million Two Hundred Seventeen US. Dollars ) / Last 5 Years Average - (2018-2023 )
<b>Collateral Capacity</b>	:	# 28.000,-USD (Twenty Eight Thousand US. Dollars )
<b>Mobilisation Capacity</b>	:	2 pcs. Furnished Containers
<b>Tool Containers</b>	:	2xFull Equipped Tool Containers, 1 Forklift
<b>Engineers</b>	:	5 ( Five ) Engineers , 9 Foreman
<b>HSE Engineers / Specialist</b>	:	Contracted Organization
<b>Skilled Workers in Data</b>	:	A Hundred Thirty Five (135 ) Skilled Workers



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#### 4. JOINT VENTURE GROUP of COMPANIES / As of 01.08.2018

Company Name	Location	General Manager	BERR	Field of Activity
Yiva Engineering	Belgium	Savas Sahingoz	Copartner	Industrial Project Engineering
SANTA X	California - USA	Bilge Arat	J.V. Agr.	Industrial Contracting Co.
Uzay Electric Co.	Erbil - Iraq	Rayan Riyadh Sabeeh	Copartner	Industrial Contracting Co.



#### International Represents

**Nigeria** : Evans Ogode  
**Mumbai - India** : Madan KUMAR  
**Baku - Azerbaijan** : Tufan ICLI  
**Harthum - Sudan** : Helmut DUFNER  
**Akra - Ghana** : Selami DADAK





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# BERR INDUSTRY

## Organization Schema

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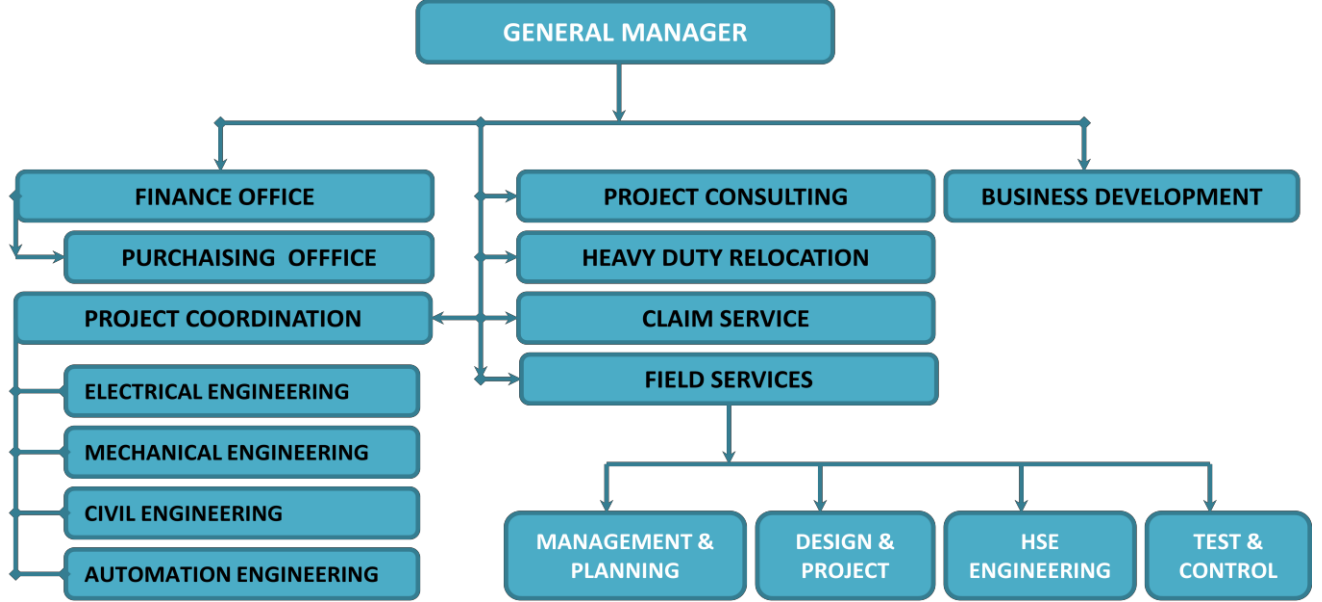
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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**



## Founders

Name	Title	Title - 2	Experience	E-Mail
Sevil CENGİZ	General Coordinator	Business Administrator	24 Years	<a href="mailto:sevil@berrindustries.com">sevil@berrindustries.com</a>
Murat CENGİZ	Mechanical Engineer	Projects Coordinator	24 Years	<a href="mailto:project@berrindustries.com.tr">project@berrindustries.com.tr</a>
Ah. Burhan Garip	Mechanical Engineer	Project Coordinator	50 Years	<a href="mailto:business@berrindustries.com.tr">business@berrindustries.com.tr</a>
Maryam Sapeyeva	Industrial Engineer	Project Admin	10 Years	<a href="mailto:general@berrindustries.com.tr">general@berrindustries.com.tr</a>
Umit Cengiz	Mechatronic Engineer	IT Admin	3 Years	<a href="mailto:info@berrindustries.com.tr">info@berrindustries.com.tr</a>

## PERSON IN CHARGE OF CONTACT

**Name** : Murat CENGİZ  
**Title** : Projects Coordinator (Chief Technical Officer)  
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**E-Mail - 1** : [info@berrindustries.com](mailto:info@berrindustries.com)  
**E-Mail - 2** : [murat.cengiz@berrindustries.com.tr](mailto:murat.cengiz@berrindustries.com.tr)  
**E-Mail - 3** : [berr.industry@gmail.com](mailto:berr.industry@gmail.com)



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# BERR INDUSTRY

## Scope of Works/Supply

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## EVALUATION OF SCOPE & CAPABILITIES

BERR's comprehensive field engineering services have been explained as below.

COMPLETED ELECTRO-MECHANICAL WORK TABLE for DEFINATION of the SCOPE of WORKS								
<b>A.</b>	<b>SECTOR : HEAVY DUTY FACTORIES (STEEL - CHEMICAL - TREATMENT PLANTS)</b>							
	PLANT TYPE	Capacity	Inpection	Relocation	Assembly	Disassembly	Maintenance	Overhaul
<input checked="" type="checkbox"/>	Glass Factory		✓	✓	✓	✓	✓	✓
<input checked="" type="checkbox"/>	Chemical Process		✓	✓	✓	✓	✓	✓
<input checked="" type="checkbox"/>	Refinery		✓	✓	✓	✓	✓	✓
<input checked="" type="checkbox"/>	Treatment Plant		✓	✓	✓	✓	✓	✓
	Description							
<input checked="" type="checkbox"/>	Project Management -Planning & Assessment			✓				
<b>B.</b>	<b>SECTOR : EPC Contracting for Power Plants &amp; Refineries</b>							
	POWER PLANT TYPE	Capacity	Inpection	Relocation	Assembly	Disassembly	Maintenance	Overhaul
<input checked="" type="checkbox"/>	Steam Turbine	1-40 MVA	✓	✓	✓	✓	✓	✓
<input checked="" type="checkbox"/>	Steam Turbine	40-250 MVA	✓	---	---	✓	✓	✓
<input checked="" type="checkbox"/>	Gas Turbine	1-40 MVA	✓	✓	✓	✓	✓	---
<input checked="" type="checkbox"/>	Gas Turbine	40-250 MVA	✓	✓	✓	✓	✓	---
<input checked="" type="checkbox"/>	Hydro Turbine	1-30 MVA	✓	---	✓	---	✓	---
<input checked="" type="checkbox"/>	HFO Diesel Engine	1-25 MVA	✓	✓	✓	✓	✓	✓
<input checked="" type="checkbox"/>	Superheater	1-125 MVA	✓	✓	✓	✓	✓	✓
<input checked="" type="checkbox"/>	Transformer	1-250 MVA	✓	✓	✓	✓	✓	✓
	Description							
<input checked="" type="checkbox"/>	Project Management -Planning & Assessment			✓				

BERR is an independent power solutions service provider with experience across Middle East since 2001 in working with gas turbines, HFO engines, high-speed diesel, PV, and steam turbine power station design, EPC, and O&M services in Middle East, it is BERR's vision to be the most trusted partner in this space. In addition, we also have all the expertise needed for complete overhauls, repairs, reconditioning, upgrades, and relocations of steam and gas turbines, regardless of type or make. With more than a decade of experience in the power generation industry, our professional teams are trained for EPC and O&M using the most aggressive standard operating procedures (SOPs) available.





**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

Especially, we have been accomplished "Field Engineering Services" at the Heavy Duty Industrial Plants & Fuel Fired Power Plants in general in the Middle East Countries for over 24 years.

We had provided field-engineering services for different type, capacity and brand turbines / engines in years. We had worked at combined or simple cycle power plants which had included GE, P&W, Ansaldo, Siemens, Skoda, AEG, MAN, Mitsubishi, Hyundai, Wartsila, GT./ST. and Engines.

We accomplished heavy duty works and industrial plants, like these; steel factory, rolling mill factory, paper mill factory, treatment plants, tank farms, loading station, gas filtering and metering station, MV substation, MV transmission lines.

**Our services have been covered comprehensive engineering services as below:**

- I. Electro-Mechanical Installation/Erection, Maintenance, Supervision & Commissioning Works
- II. Turn-Key Power Plants Relocation & Transportation Services
- III. Assessment & Technical Evaluation Services for Power Plants & Industrial Plants
- IV. Skilled Manpower / Labor Force Providing Services for Power Plants
- V. Design & Assembly Works of the Mobile Power Station & Mobile Substation Solutions

**CAPABILITIES**

**1. ENGINEERING CAPABILITY**

<b>a)</b>	<b>3D Modeling</b>	
<b>b)</b>	<b>Detail Engineering</b>	
1	Engineering Drawing such as Steel Framing, Elevation, Typical Connection etc	
2	Engineering Drawing for Equipment	
3	Engineering Drawing such as Isometric, GA, Typical support Drawing, etc	
<b>c)</b>	<b>Shop Fabrication Drawing</b>	
1	Structural Steel Fab Drawing	
2	Vendor Drawing (Equipment)	
3	Piping Spool Drawing	
4	Electrical hook-up Drawing	
5	Instrument hook-up Drawing	
<b>d)</b>	<b>COG control</b>	
<b>e)</b>	<b>Load out &amp; Lifting Plan</b>	
<b>f)</b>	<b>Sea Fastening Design</b>	
<b>g)</b>	<b>Lifting Attachment Design</b>	
<b>h)</b>	<b>Others</b>	



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## 2. PROCUREMENT CAPABILITY

a)	<b>Steel Structure Material</b>	
b)	<b>Equipment</b>	
1	Static Equipment	
2	Rotating Equipment	
c)	<b>Piping Material</b>	
1	Pipe, Fitting, Flange, Bolt, Nut, Gasket	
2	Valve	
3	Strainer, Steam Trap etc	
d)	<b>Electrical and Instrument</b>	
1	Electrical Equipment	
2	Tagged Instrument	
3	Cable, Duct, Tray, Support etc	
e)	Special Type Electrical Panels	
f)	Instrument & Sensors	
g)	Fireproofing	

## 3. ASSEMBLY CAPABILITY

a)	<b>Steel Assembling</b>	
b)	<b>Equipment Installation</b>	
c)	<b>Heater Assembling</b>	
1	Coil Assembling	
2	Refractory Installation	
3	Pre Dryout	
d)	<b>Piping Assembling</b>	
e)	<b>Electrical assembling</b>	
f)	<b>Instrument Assembling</b>	
g)	<b>Non Destructive Inspection</b>	
h)	<b>Post Weld Heat Treatment</b>	
i)	<b>Hydrostatic test</b>	
j)	<b>Painting</b>	
k)	<b>Insulation</b>	
l)	<b>Fireproofing</b>	
m)	<b>Chemical Cleaning</b>	
n)	<b>Flushing</b>	
o)	<b>Pre-Assembled Building</b>	
q)	<b>List of Subcontractors</b>	





**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

#### 4. TRANSPORT CAPABILITY

a)	Haulage from shop to port	
b)	Lashing, Anchoring, Protection	
c)	Offloading	
d)	Nearest Deep Sea Port & Distance	

#### 5. WORK CONDITIONS

1	Standard Working time	
2	Overtime Limitation	
3	Special Holiday / Holiday season	
4	Rainy season / any climatic condition which affects productivity	
5	Occurrence of labor strike	
6	Gate Security Control Condition	



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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

**SCOPE OF WORKS - EXPLANATION TABLE**

1. SECTOR : BALANCE of PLANT ( Discipline: Electro-Mechanical )						
TYPE of EQUIPMENT		Description	Inspection	Relocation	Erection/Installation	Start Up
1.1.	Pipe Line	High Pressure Steam Piping	✓	✓	✓	✓
1.2.	Pipe Line	Medium Pressure Steam Pipe	✓	✓	✓	✓
1.3.	Pipe Line	High Pressure Air Piping	✓	✓	✓	✓
1.4.	Pipe Line	Condensate Piping	✓	✓	✓	✓
1.5.	Pipe Line	Cooling Piping	✓	✓	✓	✓
1.6.	Pipe Line	Heater/Boiler Piping	✓	✓	✓	✓
1.7.	Pipe Line	Fuel Feeding/Loading Piping	✓	✓	✓	✓
1.8.	Pipe Line	Lube Oil Piping	✓	✓	✓	✓
1.9.	Pipe Line	Hydraulic Piping	✓	✓	✓	✓
1.10.	Pipe Line	Air & Hydraulic Tubing	✓	✓	✓	✓
1.11.	Pipe Line	GRP Piping	✓	✓	✓	✓
1.12.	Pipe Line	HDPE Piping	✓	✓	✓	✓
1.13.	Pipe Line	Stainless Steel Piping	✓	✓	✓	✓
1.14.	Pipe Line	Aluminum Piping	✓	✓	✓	✓
1.15.	Pipe Line	Firefighting Piping	✓	✓	✓	✓
1.16.	Pipe Line	Heat Tracing	✓	✓	✓	✓
1.17.	Pipe Line	Water & Sewage Pipe Line	✓	✓	✓	✓
1.18.	Water Cooling Systems	Air Cooled Condenser	✓	✓	✓	✓
1.19.	Water Cooling Systems	Water Cooling Tower	✓	✓	✓	✓
1.20.	Water Cooling Systems	Circulation Pump	✓	✓	✓	✓
1.21.	Water Cooling Systems	Shell & Tube Exchanger	✓	✓	✓	✓
1.22.	Water Cooling Systems	Cooling Filter	✓	✓	✓	✓
1.23.	Water Cooling Systems	Blades & Fan & Gear Box	✓	✓	✓	✓
1.24.	Lube Oil System	Lube Oil Tank	✓	✓	✓	✓
1.25.	Lube Oil System	Lube Oil Pump	✓	✓	✓	✓
1.26.	Lube Oil System	Lube Oil Cooler	✓	✓	✓	✓
1.27.	Lube Oil System	Lube Oil Filtering	✓	✓	✓	✓
1.28.	Lube Oil System	Lube Oil Heating	✓	✓	✓	✓
1.29.	Lube Oil System	Lube Oil Treatment	✓	✓	✓	✓
1.30.	Exhaust Systems	Exhaust Line & Equipment	✓	✓	✓	✓
1.31.	Exhaust Systems	Heat Recovery Equipment	✓	✓	✓	✓
1.32.	Exhaust Systems	Chimney & Equipment	✓	✓	✓	✓
1.33.	Exhaust Systems	Gas Filtering & Metering	✓	✓	✓	✓
1.34.	Exhaust Systems	Exhaust Fan & Silencer	✓	✓	✓	✓
1.35.	Test	Pipe Line Pickling	✓			✓



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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

1. SECTOR : BALANCE of PLANT						
	TYPE of EQUIPMENT	Description	Inspection	Relocation	Erection/Installation	Start Up
1.37.	General Equipment	Compressor & Blower	✓	✓	✓	✓
1.38.	General Equipment	Gas & Liquid Separators	✓	✓	✓	✓
1.39.	General Equipment	Water/Waste Treatment	✓	✓	✓	✓
1.40.	General Equipment	Fire Detection & Fighting Sys.	✓	✓	✓	✓
1.41.	General Equipment	Raw Material Conveyor Sys.	✓	✓	✓	✓
1.42.	General Equipment	Ash Conveyor Sys.	✓	✓	✓	✓
1.43.	General Equipment	Cyclone, Filter Skid	✓	✓	✓	✓
1.44.	General Equipment	Fuel Heater & Booster	✓	✓	✓	✓
1.45.	General Equipment	Shell & Tube Exchanger	✓	✓	✓	✓
1.46.	General Equipment	Grinder	✓	✓	✓	✓
1.47.	General Equipment	HVAC System	✓	✓	✓	✓
1.48.	General Equipment	Reactor & Mixer	✓	✓	✓	✓
1.49.	General Equipment	Hydraulic Power Unit	✓	✓	✓	✓
1.50.	General Equipment	Chiller / Air Dry Cooler	✓	✓	✓	✓
1.51.	General Equipment	Super heater/Boiler/Drum	✓	✓	✓	✓
1.52.	General Equipment	Pump Station	✓	✓	✓	✓
1.53.	Mechanical	SPM Steel Structure for PM	✓	✓	✓	✓
1.54.	Mechanical	Pipe Line Construction	✓	✓	✓	✓
1.55.	Mechanical	Equipment Erection	✓	✓	✓	✓
1.56.	Mechanical	Steel Erection	✓	✓	✓	✓
1.57.	Test & Inspection	Non Destructive Test	✓			✓
1.58.	Test & Inspection	General Purpose Functional	✓			✓
1.59.	Test & Inspection	Rotor Balancing Test	✓			✓
1.60.	Test & Inspection	Functional Instrument Test	✓			✓
1.61.	Test & Inspection	Site Survey & Consulting	✓			✓
1.62.	Cleaning	Chemical Cleaning	✓			✓
1.63.	Cleaning	Mechanical Cleaning	✓			✓
1.64.	Cleaning	Passivation & Polishing	✓			✓
1.65.	Electrical Works	Switchgears	✓	✓	✓	✓
1.66.	Electrical Works	Substation	✓	✓	✓	✓
1.67.	Electrical Works	Transformer	✓	✓	✓	✓
1.68.	Electrical Works	Metal Clad	✓	✓	✓	✓
1.69.	Electrical Works	Feeder	✓	✓	✓	✓
1.70.	Electrical Works	Field Electrical Panels	✓	✓	✓	✓
1.71.	Electrical Works	Cabling & Traying	✓	✓	✓	✓
1.72.	Electrical Works	Instrumentation	✓	✓	✓	✓



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## BERR INDUSTRY

### POWER PLANTS ENGINEERING SERVICES

1.73.	Electrical Works	Automation & SCADA	✓	✓	✓	✓
1.74.	Site Works	Inland Transportation		✓	✓	
1.75.	Site Works	Scaffolding & Lifting		✓	✓	
1.76.	Site Works	Project Design & Review		✓	✓	
1.77.	Site Works	Project Planning		✓	✓	

### OUT OF SCOPE TABLE

These items must be out of scope of BERR Ltd. ( Some of items maybe negotiable )				
No	Description	Info	BERR	Client
1.	Field Allocation	At the required amount		x
2.	Infrastructure of Field	Water, Sewage, Phone, Internet..		x
3.	Site Expenses	Fuel Oil, Water, Detergent, etc...		x
4.	All Kind of Chemicals & Oils	Negotiable		x
5.	Energy Sources & Supply	Negotiable		x
6.	Energy Protection Needs	Negotiable		x
7.	Field Treatment Facilities	Negotiable		x
8.	Soil Compacting Works	Negotiable		x
9.	Ground Survey Works	Negotiable		x
10.	Filed Lighting Works	Negotiable		x
11.	Filed Lightening Works	Negotiable		x
12.	Field Grounding Works	Negotiable		x
13.	Field Irrigation Works	Negotiable		x
14.	Waste Substance Area	Negotiable		x
15.	Field Security Issues	Negotiable		x
16.	Insecticide Spraying Works	Negotiable		x
17.	Furnished Social Facilities	Grocery, Cafeteria, Barber, etc...		x
18.	Infirmary for All Personnel	Negotiable		x
19.	Work Permits for All Personnel, etc.	Owner Scope		x
20.	Suretyship for All Personnel	Owner Scope		x
22.	Road Permits, Loading Permits, etc.	Negotiable		x
23.	Invitation, Visas, Application Fee	Owner Scope		x
24.	Third Part Cost	Negotiable		x
25.	External Audit Cost	Owner Scope		x



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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

## **Project Management:**

We have been providing as field engineering service to the medium and high-level projects with an experienced staff team. The Staff team can get managed the project with the highest efficiency and lowest risk. We determine the staff team and other site workers in accordance with

## **Defination of the Staff Team:**

- Project Manager
- Assistant Project Manager
- Project Supervisor
- Project Planning Specialist
- Project Engineer
- Document Controller
- Site Coordinator Engineer
- HS&E Engineer & Specialist

While the other staff is determined by the location of the project and client's request. BERR is able to provide an international labour force.



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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

We provide streamlined, cost-effective, state-of-the-art systems and processes and focus on the details to ensure our clients' projects are delivered on time and within budget.

The project manager will oversee the project during its implementation phase, and will monitor its progress on the basis of its action plan. The use of interim reports will keep you informed of the progress and status.

BERR may also act as a main contractor and assume leadership and responsibility, including managing any communication with any subcontractors or OEMs. In practice, this is a sound process via which the BERR project manager is able to oversee all of the activities.

- Charts:

Gantt charts provide a detailed visual on the progress of your tasks in comparison to what was planned. The resource allocation chart lets you know who is free, who is engaged and who is overloaded.

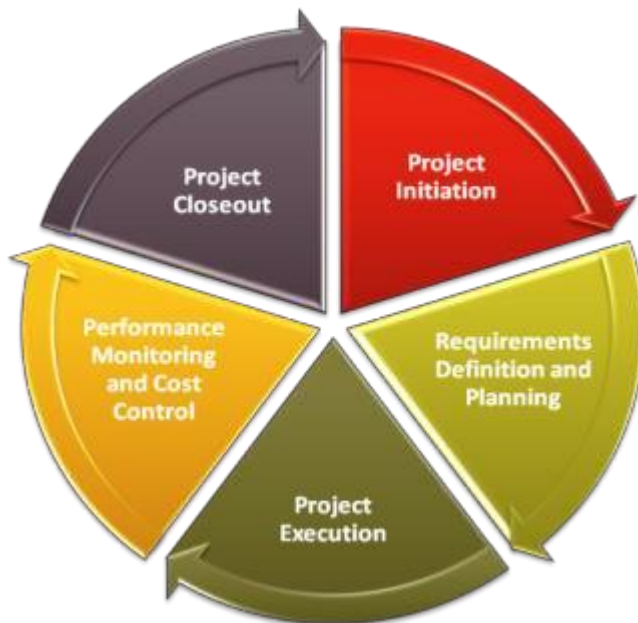
- Project Coordinations:

The Coordinators gives you an easy way to get back to important posts. Feeds.

- Timesheets:

All working on a project can easily log their billable and non billable hours.

- Document Management
- Collobration
- Online Project Chat



### Project Management Tools:

- Primavera P6 ( PPM & Pro. )
- MS Project 2013
- LibreProject ( OS )
- WeTransfer Limitless Cloud

### Project & Design Software

- AutoCAD Mechanical Desktop 2016
- AutoCAD PnID
- Solidworks 2016
- GStarCAD Steel
- Siemens SIMATIC WinCC
- WinTR HMI & SCADA
- Vijeo Citect



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# BERR INDUSTRY

## Referances

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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

## DETAILED REFERANCE LIST

### A. PROJECT MANAGEMENT SERVICES BETWEEN 2018 and 2023 ( LAST FIVE YEARS )

**Our On-Going Project: 2xSiemens A65 Trend 60 Gas Turbine Refurbishment - Nigeria (Budget 4.500.000,-USD)**

Client	Project Name	Project Description	Start Date	Finish Date	Location	Service Cost	Total Budget of Project
Global Holding	Sanliurfa Biomass Plant	5MWe Biomass Power Plant's Installation and Commissioning	2014	2018	Sanliurfa - Turkiye		\$1.100.000,0
Danieli	MKE Steel Factory	Electrical Installation of 120.000ton Steel Factory	2016	2018	Kirikkale - Turkiye		\$1.300.000,0
Sumitomo	Dunlop Tire Factory	ElectroMechanical Installation of Tire Hydraulic Machine Lines	2016	2018	Ankara - Turkiye		\$650.000,0
UZER Inc.	Dunlop Tire Factory	Supervisor & Manpower Providing for Chemical Plant	2016	2018	Kocaeli - Turkiye		\$1.000.000,0
Canakkale Diesel Power Plant	HFO Diesel Plant Relocation	Supervisor & Manpower Providing for 8Mw HFO Diesel Power Plant	2020	2021	Canakkale - Turkiye		\$350.000,0
Badosh Cement Power Plant	HFO Diesel Plant Relocation	Supervisor & Manpower Providing for 15MW HFO Diesel Power Plant	2020	2021	Mousul – Iraq		\$275.000,0
Onogora Power Plant	3x Frame 6B Gas Turbine Refurbishment	Supervisor & Manpower Providing for Biogas Fired Power Plant	2020	2021	Delta State - Nigeria		\$400.000,0
Ekolojik Enerji Biomass Power Plant	Biomass Power Plant	Supervisor & Manpower Providing for 7MW Power Plant	2021	2022	Tekirdag – Turkiye		\$900.000,0
Sapele Power Plant	2x GE 9E Gas Turbine Refrbshment Prj.	Advanced Maintenance Activities on the GE 9E Gas Turbines & Manpower Providing	2020	2021	Benin City Nigeria		\$2.200.000,0
Hitachi Zosen EfW Power Plant	Biomass Power Plant	Supervisor & Manpower Providing for 77MW Power Plant	2020	2021	Istanbul - Turkey		\$110.000,0
Nomac Jeddah Power Plant	4xGE 9FA Gas Turbine Refurbishment Project	Advanced Maintenance Activities on the GE 9E Gas Turbines & Manpower Providing	2020	2021	Jeddah – Saudi Arabia		\$2.000.000,0
Bor Biomass Pyrolysis & Power Plant	Tire Recycling Fuel Pyrolysis & Power Plant	Supervisor & Manpower Providing for 17MW Power Plant	2021	2022	Afyon – Turkey		\$900.000,0
							<b>\$11.085.000,0</b>
<b>Last Fiver Year's Average:</b>							<b>\$2.217.000,0</b>



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**BERR INDUSTRY****POWER PLANTS ENGINEERING SERVICES****B. MISCELLANEOUS FIELD ENGINEERING SERVICES FOR POWER & INDUSTRIAL PLANTS ( 2011 and 2023 )**

Name of the Project	Location	Description of Project/Work	Date	Budget
Hadithe Diesel Prj / Iraq Ministry of Elec. Iraq	Al Anbar-Iraq / 230MWe	10 pcs. MAN HFO Diesel Engine Installation / Commissioning / Maintenance / Operation	02 - 2011 11 Months	90.000,-\$
Baiji ReBuild Prj. / Iraq North Oil Co. Iraq	Mousul - Iraq / 90MWe	3pcs. GE TM2500+ Gas Turbine Inspection / Removal / Unloading / Packaging / Spare Supply	04 - 2013 3 Months	236.000,-\$
Baiji Refinery Prj./ Iraq North Oil Co - STX Korea	Mousul - Iraq / 100 MWe	10 pcs. Hyundai HFO Engine Power Station Electrical Room Installation, Test and Supervision	04 - 2013 4 Months	135.000,-\$
Erzincan HFO Diesel Power Station / Turkey	Erzincan - Turkei / 12MWe	4x3.000KWe Wartsila HFO Diesel Power Plant Full EPC Contracting	13-2015 7 Months	2.250.000,-\$
Taha Power Plant Relocation / Turkey	Mardin - Turkey / 180 MWe	Mechanical Installation and Part Replacement of the LM6000PA Combined Cycle Power Station Relocation Project from U.K. to Turkei	04 - 2015 4 Months	600.000,-\$
Blackstone Hydraulic Hose Factory Relocation	Sakarya / Turkei	Electro-Mechanical Revision and Relocation Project of the Blackstone Hydraulic Hose Factory from Belgium to Turkei	09 - 2016 4 Months	450.000,-\$
Kib-Tek Electricity North Cyprus	Girne / N. Cyprus	1xTG20 Fiat Gas Turbine Decommissioning and Removing	09 - 2016 2 Months	1.210.000,-\$
Yildiz Holding Hydro Power Station/ Turkei	Mardin-Turkei	20 pcs. Bearing Manufacturing for Andritz Hydro Turbine Generator System	02 - 2017	80.000,-\$
Sapele Power Plant Cooling System / Nigeria	Benin -Nigeria / 240MWe	6 Pcs. Lube Oil Coolers for BB and GE Turbines.	04 - 2017	436.000,-\$
SOCAR Turbine Cooling Project	Baku-Azerbaijan / 50 MWe	4 Pcs. Lube Oil Air Dry Coolers for BB and GE Turbines.	04 - 2018	725.000,-\$



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**BERR INDUSTRY**

**POWER PLANTS ENGINEERING SERVICES**

**C. COMPLETED CONSULTANCY / FIELS SERVICES / SITE SURVEY / INSPECTION / CONSULTING / FEASIBILITY STUDY**

Name of the Project	Location	Description of Project/Work	Date	Budget
Keban Hydro P.P. Elazig - Turkey	Elazig - TR / 1330MWe	Site Survey & Inspection & Assessment of AEG Hydro Power Plant Turbine & Generator	01- 2012	430.000,-\$
Mukhalla Iron & Steel Co Sana - Yemen	Yemen	Site Survey & Relocation Feasibility of the Steel Making Shop in Yemen	04- 2012	190.000,-\$
Aden HFO Diesel P.P.- PEC - Yemen	Yemen / 70MWe	Power Plant Inspection for Maintenance of the Wartsila Diesel Engines	04- 2012	130.000,-\$
Sana Ras Katenib Thermal P.P. Yemen	Sana Yemen / 40MWe	Power Plant Inspection & Site Survey for Major Overhul of the Ansaldo Steam Turbine	05- 2012	935.000,-\$
Lafarge HFO P.P. Lafarge - Iraq	Tasluja- Irag / 12MWe	Power Plant Inspection for Maintenance of the MAN Diesel Engines	06- 2012	23.000,-\$
Dibis Gas Turbine P.P. ABB	Kerkuk - Iraq / 60MWe	Power Plant Inspection for Major Overhaul of the Fiat Westinghouse TG20 Gas Turbine	08- 2012	22.000,-\$
Baiji ReBuild Prj. Iraq North Oil Co.	Mousul - Iraq / 90MWe	3 pcs. GE TM2500+ Gas Turbine Inspection for Major Overhaul at MTU AERO / Germany	02- 2013	120.000,-\$
Daura Refinery P.P. Ministry of Iraq	Baghdad-Iraq / 64MWe	Power Plant Inspection for Spare Part Replacement of the Fiat Westinghouse TG20 Gas Turbine	09- 2014	15.000,-\$
Aluminium Cast Iron US Garex Industry	Dnipropetrovsk UKRAINE	Aluminium Cast Iron Workshop Assessment to Relocation of the Plant	12- 2014	15.000,-\$
Shatt Al Basrah P.P. Shamara Holding LLC	Basrah - Iraq / 1250MWe	Site Survey & Assessment Reporting Service for Workers Providing.	02- 2015	30.000,-\$

Name of the Project	Location	Description of Project/Work	Date	Budget
Tanzania Trigenation Violet Energy	Dar Es Salaam 18MWe	Power Plant Inspection & Assessment to Relocation of the GE Jenbacher Trigenation Plant	05- 2015	20.000,-\$
Tripoli S.C. P. P. AAC Electromechanica	Tripoli - Libya 300MWe	Power Plant Inspection & Assessment to Relocation of the Siemens Gas Turbine	09- 2015	24.000,-\$
Tripoli Mobile Power Prj. US Global Enterprises	Sirte - Libya 550 MWe	Power Plant Inspection & Assessment to Relocation of the Pratt Whitney Mobile Gas Turbine Plant	09- 2016	7.500,-\$
Libya Mobile Power Prj. US Global Enterprises	Tripoli- Libya 30MWe	Site Survey & Relocation Feasibility for HFO MAN Diesel Power Plant to Tripoli	09- 2016	12.500,-\$
Shoaiba Thermal P. Prj. Nomac	Jeddah - KSA 1200MWe	Site Survey & Inspection & Assessment of Thermal Power Plant Siemens Steam Turbine & BOP	12- 2015	4.000,-\$
Watan Power Project Calik Holding - Etacom	Turkmenistan 250MWe	Site Survey, Inspection and Supervision for Isolated Phase Busbar Assembly	03- 2016	24.000,-\$
Hamitabat Rehabilitation Gama Holding - Etacom	Kirkklareli - TR 1200MWe	Site Survey, Inspection and Supervision for Isolated Phase Busbar Assembly	06- 2016	60.000,-\$
Dogal Biomass P. Prj. Dogal Energy - BERR	Urfa - TR 5,2MWe	Project Management & Technical Consulting for 5,2MWe Biomass Power Plant Relocation	06- 2016	40.000,-\$



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# BERR INDUSTRY

## Content of the Tool Container

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**BERR INDUSTRY / TOOL CONTAINER**

POWER PLANTS ENGINEERING SERVICES

MECHNICAL TOOLS		Descriptions	Qty	Total Price
1.	Heavy Duty Tool Cabinet	41" 6 Drawer	2 Set	\$4.200,0
2.	Heavy Duty Tool Cabinet	27" 6 Drawer	3 Set	\$3.000,0
3.	Heavy Duty Ring Spanner Set	M8 ~ M100	3 Set	\$1.800,0
4.	Special Socket Wrench Set	M8 ~ M40	3 Set	\$1.200,0
5.	Combined Wrecln Set	M8 ~ M100	3 Set	\$1.150,0
6.	Strap Wrenchs	Up to 4"	2 Pcs.	\$350,0
7.	Pipe Wrenchs	Up to 4"	3 Pcs.	\$210,0
8.	Plumper Wrenchs	Up to 4"	3 Pcs.	\$240,0
9.	Oil Fiter Wrenchs	60x140	2 pcs.	\$150,0
10.	Tap Wrenchs	Up to 4"	2 Pcs.	\$260,0
11.	Tuning Wrenchs		2 Pcs.	\$180,0
12.	Allen Wrenchs ( Short )	1,5 ~ 16 mm	4 Set	\$100,0
13.	Allen Wrenchs ( Long )	1,5 ~ 16 mm	5 Set	\$140,0
13.	Braker Bar	1 Mt.	2 Pcs.	\$200,0
14.	Torque Wrenchs	30 ~ 2000 Nwm.	10 Pcs.	\$6.000,0
15.	Pnuematic Torque Wrenchs	6000 Nwm.	2 Pcs.	\$1.300,0
16.	Electric Torque Wrenchs	6000 Nwm.	2 Pcs.	\$4.250,0
17.	Magic Wrenchs		20 Pcs.	\$900,0
18.	Breaker Grozier Pliers		2 Pcs.	\$200,0
19.	Tongue and Groove Pliers		2 Pcs.	\$200,0
20.	Locking Pliers		2 Pcs.	\$200,0
21.	Lump Hammers	4 and 7 Kg	4 Pcs.	\$80,0
22.	Ball Pen Hammers	3 and 5 Kg	2 Pcs.	\$30,0
23.	Cheater Bars	1 Mt.	5 Pcs.	\$300,0
24.	Crow Bars	0,7 Mt.	5 Pcs.	\$300,0
25.	Three Jaw Puller	12 ~ 70 mm	10 Pcs.	\$1.600,0
26.	Pitman Arm Puller	5 ~ 30 mm	8 Pcs.	\$1.200,0
27.	Heavy Duty Screw Driver ( Long )	6 Pieces Long	3 Set	\$135,0
28.	Heavy Duty Screw Driver ( Short )	6 Pieces Short	3 Set	\$100,0
29.	Heavy Duty Clamping Bench Vises	8"	2 Pcs.	\$450,0
30.	Wire Brushes		5 Pcs.	\$100,0
31.	Metal Scissorses	18"	1 Pcs.	\$100,0
31.	Tripod Pipe Stand	Up to 5"	4 Pcs.	\$240,0
32.	Toolboxes	16 Pcs.	1 Set	\$300,0
33.	Lifting Jack	Up to 5 ton	2 Pcs.	\$2.200,0
34.	Transpalet	Up to 2,5 ton	2 Pcs.	\$3.500,0
35.	Health & Safety Equipment and Clothing	For 8 Person	8 Set	\$1.600,0



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MECHNICAL POWER TOOLS			Descriptions	Qty	Total Price
1.	HILTI Hammer Drill Hand Machine	Hitachi	1500 Watt	1 Pcs.	\$800,0
2.	HILTI Hammer Drill Hand Machine	Hitachi	800 Watt	2 Pcs.	\$1.300,0
3.	Pedestal Bench Drilling Machine	Hitachi	750 Watt	1 Pcs.	\$1.600,0
3.	Grinding Machine	Hitachi	180 mm	2 Pcs.	\$400,0
4.	Grinding Machine	Hitachi	115 mm	2 Pcs.	\$400,0
5.	Profile Cutting Machine	Hitachi	355 mm	2 Pcs.	\$700,0
6.	Chamfering Machine	Hitachi	5 mm	1 Pcs.	\$1.200,0
7.	Magnetic Drilling Machine	Hitachi	40 x 50 mm	1 Pcs.	\$5.500,0
8.	Sheet Metal Cutting Machine	Hitachi	3,5 mm	1 Pcs.	\$800,0
9.	Hand Blower	Hitachi	350 Watt	1 Pcs.	\$120,0
10.	Cordless Drill	Hitachi	14,4 Volt	2 Pcs.	\$250,0
11.	Inverter Welding Machine	Fimer	200 A	2 Pcs.	\$2.200,0
12.	MIG/MAG Welding Machine	Fimer	160 A	1 Pcs.	\$8.000,0
13.	Plasma Cutting Machine	Lincoln	35 mm	1 Pcs.	\$8.000,0
14.	Welder Accessories	Local	For 4 Person	4 Set	\$1.200,0
15.	Electric Pipe Bending Machine	Univers	Up to 2"	1 Pcs.	\$900,0
16.	Electric Pipe Threader Machine	NORA	Up to 2"	1 Pcs.	\$3.000,0
					<b>\$36.370,0</b>

ELECTRICAL POWER TOOLS AND DEVICES			Descriptions	Qty	Totaly Price
1.	Thermal IR Camera	Flir I7		1 Pcs.	\$7.000,0
2.	Vibration Meter	Easy Laser		1 Pcs.	\$22.000,0
3.	Optical Alignment	Stanley		1 Pcs.	\$11.000,0
3.	Laser Meter	Stanley		8 Pcs.	\$1.200,0
4.	Decibel Meter	Bosch		2 Pcs.	\$300,0
5.	MultiMeter	Mastech		4 Pcs.	\$180,0
6.	Pens Amper Meter	Mastech		4 Pcs.	\$180,0
7.	Omicron Relay Test Device	O Micron		1 Pcs.	\$42.000,0
8.	Hipot Voltage Test Device	Walley		1 Pcs.	\$20.000,0
9.	Meger Insulation Test Device	Fluke		1 Pcs.	\$6.500,0
10.	Cable Test Device	Fluke		1 Pcs.	\$3.000,0
11.	The Resistance Testing Device	Fluke		1 Pcs.	\$16.000,0
12.	Energy Analyzers	Fluke		1 Pcs.	\$15.000,0
13.	Digital In Side Micrometer	Mitutoyo		2 Pcs.	\$4.000,0
14.	Micrometer Set	Mitutoyo		1 Set	\$1.100,0
					<b>\$150.660,0</b>

