



PT ALPHA SOLUSI ENERGI

Your reliable mechanical drives & energy solutions partner

Company Profile

Who We Are

Vision, Mission, Value

Our Expertise

Who We Are

1



PT ALPHA SOLUSI ENERGI

Your reliable mechanical drives & energi solutions partner

A company with focus in the field of mechanical drives, power transmission, and electrical drives.

Our team have many years of experience in the successful handling of mechanical drives, power transmission, and electrical drives within regions of the country for replacement, service, extension, as well as new projects

A company with focus in the field of mechanical drives, power transmission, and electrical drives.

Vision, Mission, Value

Our Expertise

Who We Are

2

Vision, Mission, Value

Vision

Engineering, Services, & Distribution Company with highly dedicated to the advancement and mutual benefit of all parties

Mission

Providing the best service, support, & solutions to customers in terms of product quality and expertise in our field

Value

- Customer First
- Quality beyond Quantity
- Cooperation & Coordination
- Dedications

Our Expertise

Who We Are

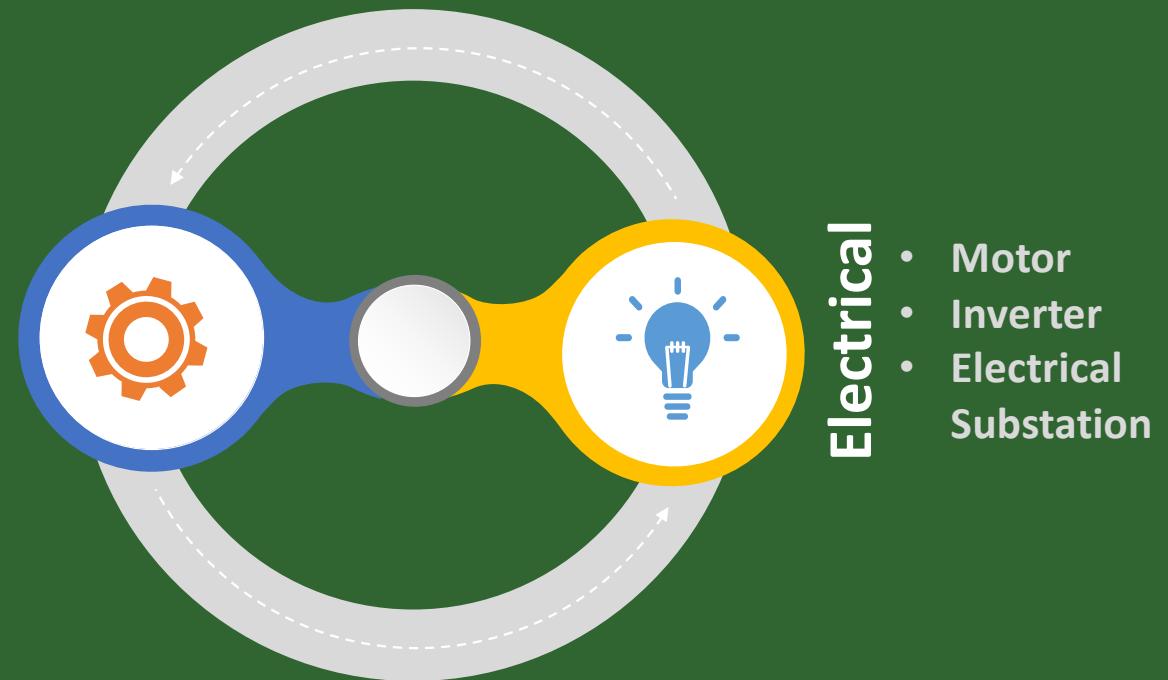
Vision, Mission, Value

Our Expertise

3

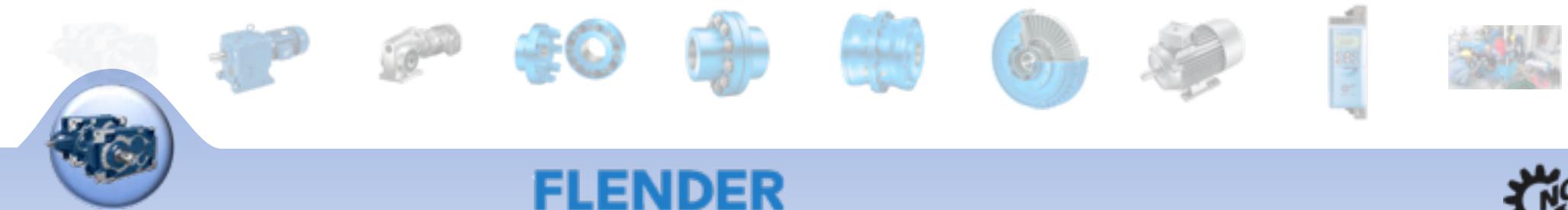
Mechanical

- Gearbox
- Geared Motor
- Couplings



Electrical

- Motor
- Inverter
- Electrical Substation



OUR PRODUCTS

Gearbox



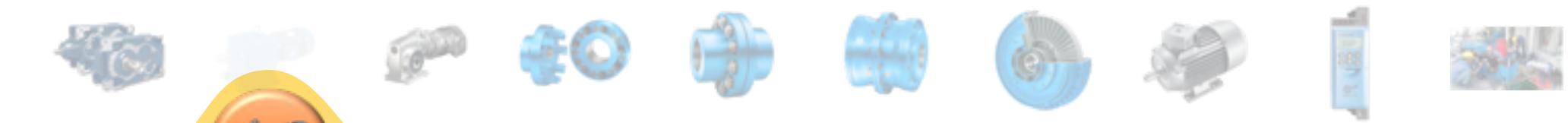
Power Range : Up to 7,000 kW
Torque Range : 450 – 5,450 kNm
Ratio Range : 45:1 – 110:1
Various Design
Various Input Design
Various Output Design
Various Mounting

FLENDER



Power Range : 1.5 – 4000 kW
Torque Range : 15 – 280 kNm
Ratio Range : 5.54:1 – 30,000:1
Helical Gearbox
Bevel Helical Gearbox
Various Design
Various Input Design
Various Output Design
Various Mounting





OUR PRODUCTS



Helical gear units

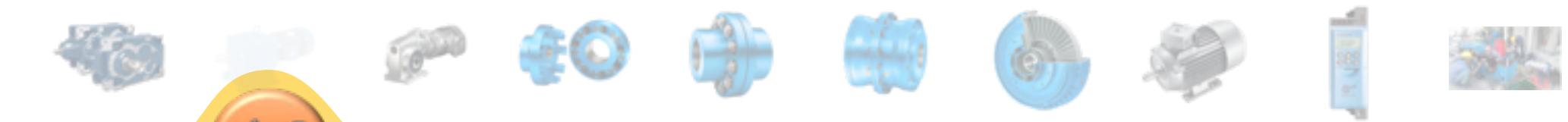
Foot or flange mounted
 ■ Long life, low-maintenance ■ Optimum sealing
 ■ UNICASE housing

Sizes	11
kW	0.12 – 160
Nm	10 – 26,000
i	1.35:1 – 14,340.31:1

2/3-stage bevel gear units

•Foot mounted, flange mounted or face mounted
 •Hollow or solid shaft
 •UNICASE housing

Sizes	11
kW	0.12 – 200
Nm	180 – 50,000
i	8.04:1 – 13,432.68:1



OUR PRODUCTS



Parallel shaft gear units

- Foot mounted, flange mounted or face mounted
- Hollow or solid shaft
- Compact design
- UNICASE housing

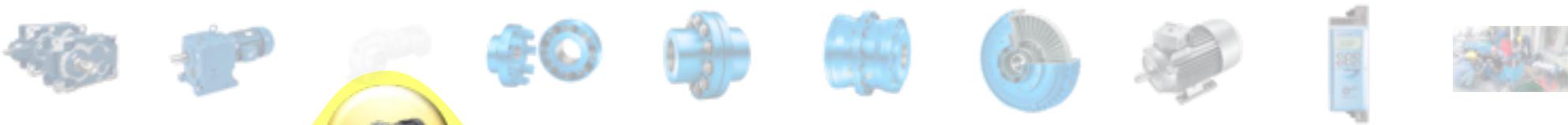
Sizes	15
kW	0.12 – 200
Nm	110 – 100,000
i	4.03:1 – 6,616.79:1

Helical worm gear units

- Foot mounted, flange mounted or face mounted
- Hollow or solid shaft
- UNICASE housing

Sizes	6
kW	0.12 – 15
Nm	94 – 3,090
i	4.40:1 – 7,095.12:1

OUR PRODUCTS



2-stage bevel gear units (Catalogue G1000, G1014)



- Foot mounted, flange mounted or face mounted
- Hollow or solid shaft
- UNICASE housing

Sizes	6
kW	0.12 – 9.2
Nm	50 – 660
i	3.03:1 – 70:1

SMI worm gear units (Catalogue G1035)



- Smooth surfaces
- Lubricated for life

Sizes	4
kW	0.12 – 4.0
Nm	21 – 427
i	5.00:1 – 3,000.00:1

NORDBLOC.1 helical gear units (Catalogue G1000, G1012)



- Foot or flange mounted
- Die-cast aluminium housing
- UNICASE housing
- Industry standard dimensions

Sizes	13
kW	0.12 – 37
Nm	30 – 3,300
i	1.07:1 – 456.77:1

SI worm gear units (Catalogue G1035)



- Modular
- Universal mounting
- Lubricated for life

Sizes	5
kW	0.12 – 4.0
Nm	21 – 427
i	5.00:1 – 3,000.00:1

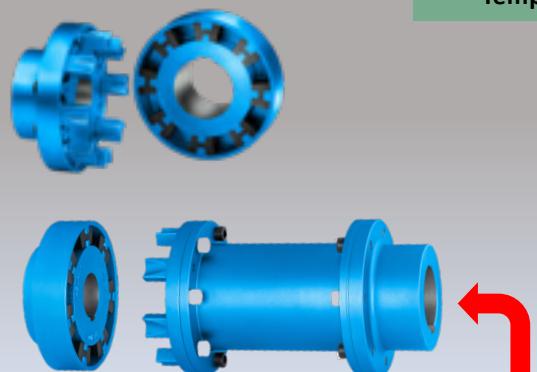


OUR PRODUCTS

FLENDER

Couplings

Flexible Coupling



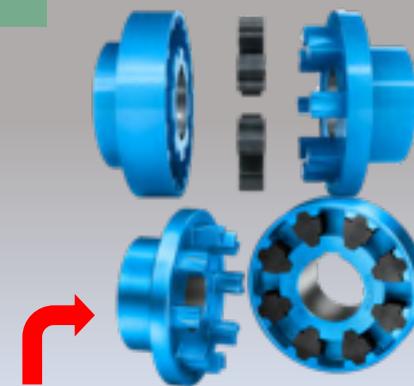
N-EUPEX PIN COUPLING

- Damping shaft coupling that can be used universally to compensate for shaft misalignment
- Nominal torque range from TKN = 12 Nm up to 85,000 Nm with 23 sizes
- Temperature range from -50°C to $+100^{\circ}\text{C}$



N-EUPEX DS PIN COUPLING

- Damping shaft coupling that can be used universally to compensate for shaft misalignment
- Nominal torque range from TKN = 60 Nm up to 21,200 Nm with 19 sizes
- Temperature range: from -50°C to $+100^{\circ}\text{C}$



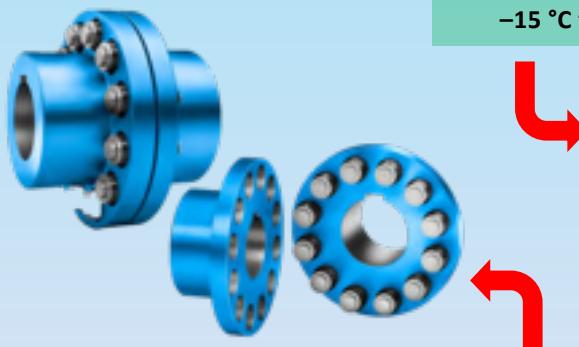
N-BIPEX CLAW COUPLING

- Damping shaft coupling that can be used universally to compensate for shaft misalignments
- Nominal torque range from TKN = 12 Nm up to 4,650 Nm with 10 sizes
- Temperature range: from -50°C to $+100^{\circ}\text{C}$



OUR PRODUCTS FLENDER

Couplings Flexible Coupling



RUPEX PIN AND BUSH COUPLING

- Damping, fail-safe pin and bush coupling for medium and higher torques
- Nominal torque range from TKN = 200 Nm up to 1,690,000 Nm with 26 sizes
- Temperature range: from -50°C to $+100^{\circ}\text{C}$



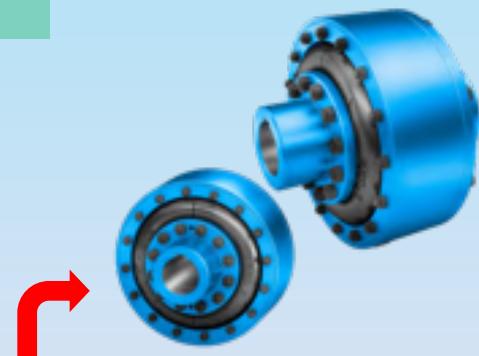
ELPEX-B RUBBER TIRE COUPLING

- Highly flexible, backlash-free tire coupling
- Nominal torque range from TKN = 24 Nm up to 14,500 Nm with 15 sizes
- Temperature range: from -50°C to $+50^{\circ}\text{C}$ for natural rubber materials, from -15°C to $+70^{\circ}\text{C}$ for chloroprene rubber



ELPEX FLEXIBLE RING COUPLING

- Highly flexible, backlash-free tire coupling
- Nominal torque range from TKN = 1,600 Nm up to 90,000 Nm with 9 sizes
- Temperature range: from -40°C to $+80^{\circ}\text{C}$





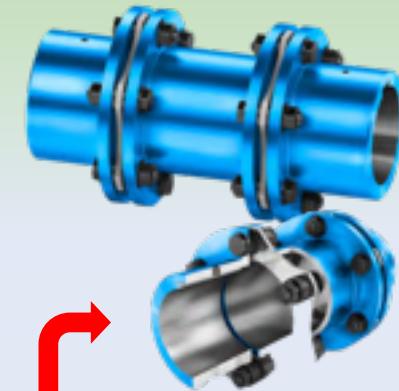
OUR PRODUCTS FLENDER

Couplings Rigid Coupling



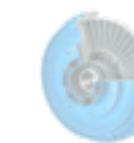
ZAPEX ZN GEAR COUPLING

- Double-jointed gear coupling
- Nominal torque range from TKN = 1,020 Nm up to 162,500 Nm with 12 sizes
- Temperature range: from -20 °C to +80 °C



N-ARPEX ALL-STEEL COUPLING

- Backlash-free, torsionally rigid all-steel multi-disk coupling
- Nominal torque range from TKN = 350 Nm to 2,000,000 Nm
- Temperature range: from -50 °C to +280 °C



OUR PRODUCTS



Couplings

Rigid Coupling



Rigid Flange Coupling – RFK
Max Torque : 625.000 Nm



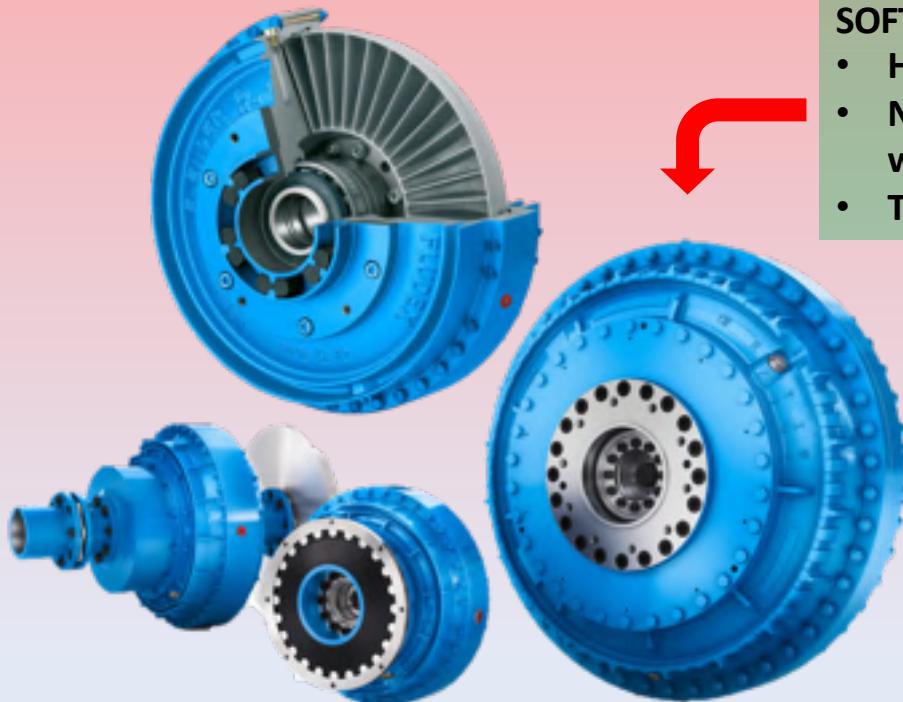
Rigid Shaft Coupling – RWK
Max Torque : 7.600 Nm



OUR PRODUCTS

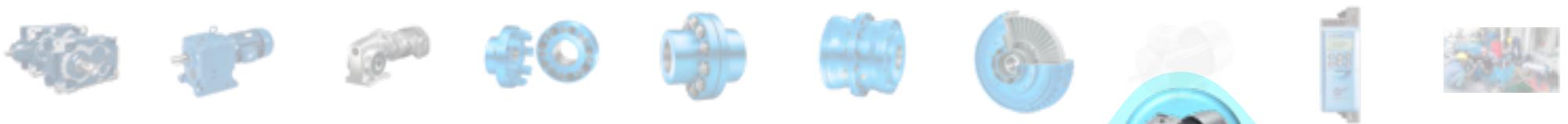
FLENDER

Couplings
Fluid Coupling



SOFT AND SAFE

- Hydrodynamic fluid coupling
- Nominal output from 1.2 kW up to 2,500 kW with 15 sizes
- Temperature range: from -40°C to $+50^{\circ}\text{C}$

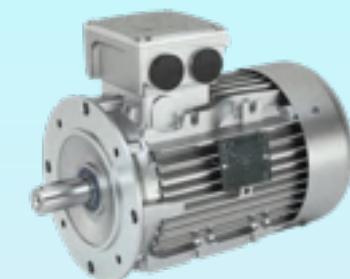


OUR PRODUCTS

Motor



SIEMENS



General Purpose motors

Performance: 0,12 – 55 kW (FS63-FS250)

Efficiency classes: IE1, IE2, IE3, IE4

Standard and smooth motors

Severe Duty motors

Performance: 0,09 – 500 kW (FS71-FS450)

Efficiency classes: IE3 & IE4

OUR PRODUCTS



NORDAC PRO:
Control cabinet inverter SK
500E

Nominal ratings:

- Power range up to 160 kW
- Control cabinet installation
- IP20



SIEMENS

NORDAC PRO:
Control cabinet inverter SK
500P

Nominal ratings:

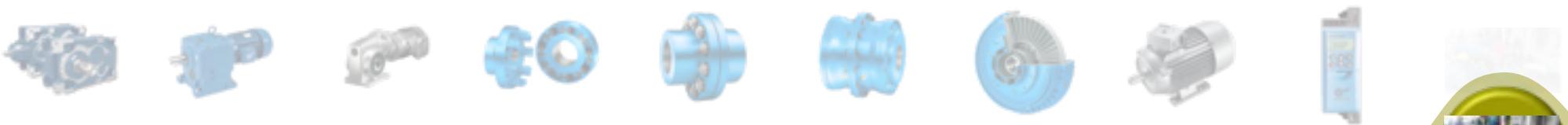
- Power range up to 5.5 kW
- Control cabinet installation
- IP20



NORDAC FLEX: Decentralised
frequency inverter SK 200E

Nominal ratings:

- Power range up to 22 kW
- Wall or motor mounting
- IP55, IP66



SERVICES

(Workshop & Onsite)

Workshop Inspection and repair

Our expertise :

- Complete Inspection
- Troubleshooting
- Reporting
- Spareparts Replacement
- Assembly & Disassembly
- No Load Test

Onsite Inspection, Diagnostics/ Troubleshooting, Onsite repair, Alignment and Commissioning

Our mechanical drives & power transmission expert have done many inspections, failure root cause analyses, and service job in many industrial.

Our scope :

- Drives System Installation & Commissioning
- Condition based maintenance
- Equipment health check & management
- Onsite inspections
- Spareparts replacement
- Gearbox Assembly & Disassembly
- Coupling Installation & Alignment
- Etc.



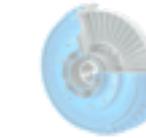
(Workshop & Onsite)

SERVICES



(Workshop & Onsite)

SERVICES



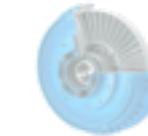
(Workshop & Onsite)

SERVICES



(Workshop & Onsite)

SERVICES





SERVICES

(Workshop & Onsite)





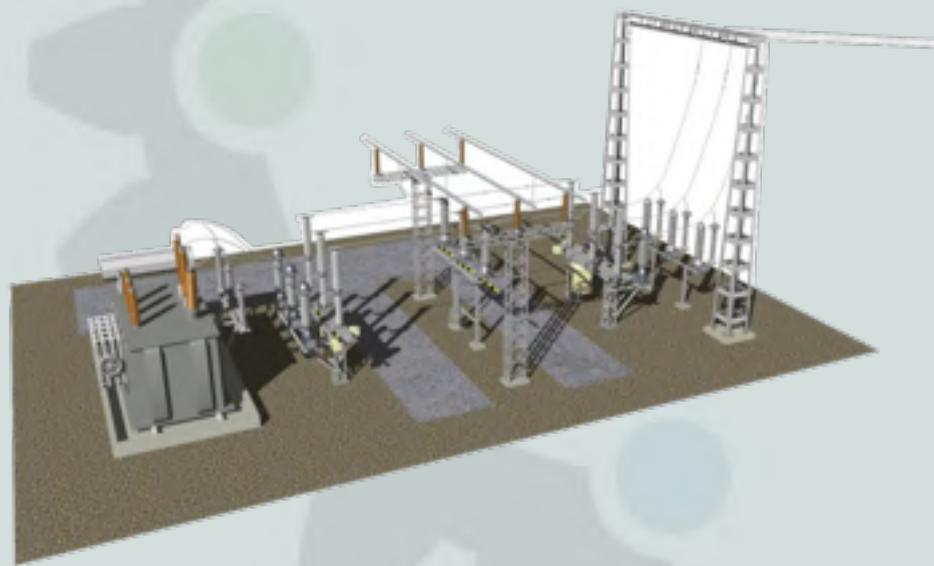
SERVICES

(Workshop & Onsite)

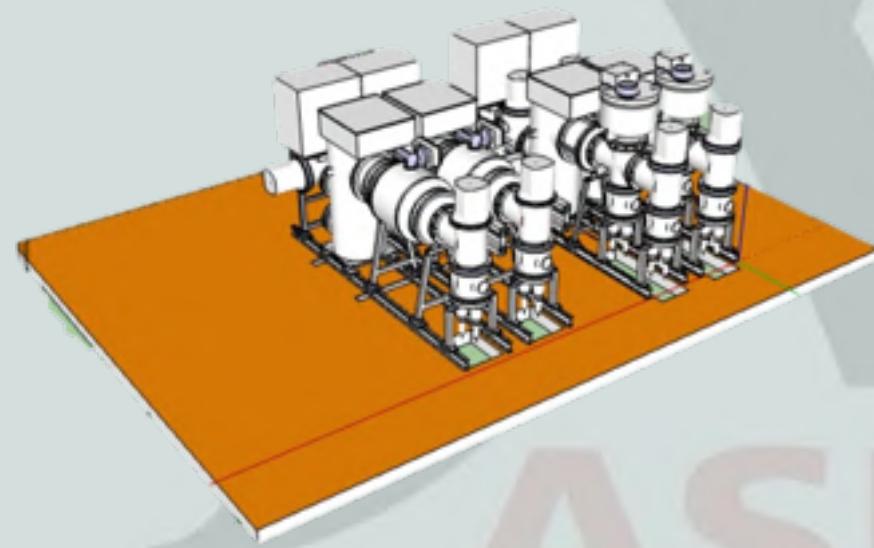


ELECTRICAL WORKS

Electrical Substation Projects



Air Insulated Switchgear (AIS)



Gas Insulated Switchgear (GIS)

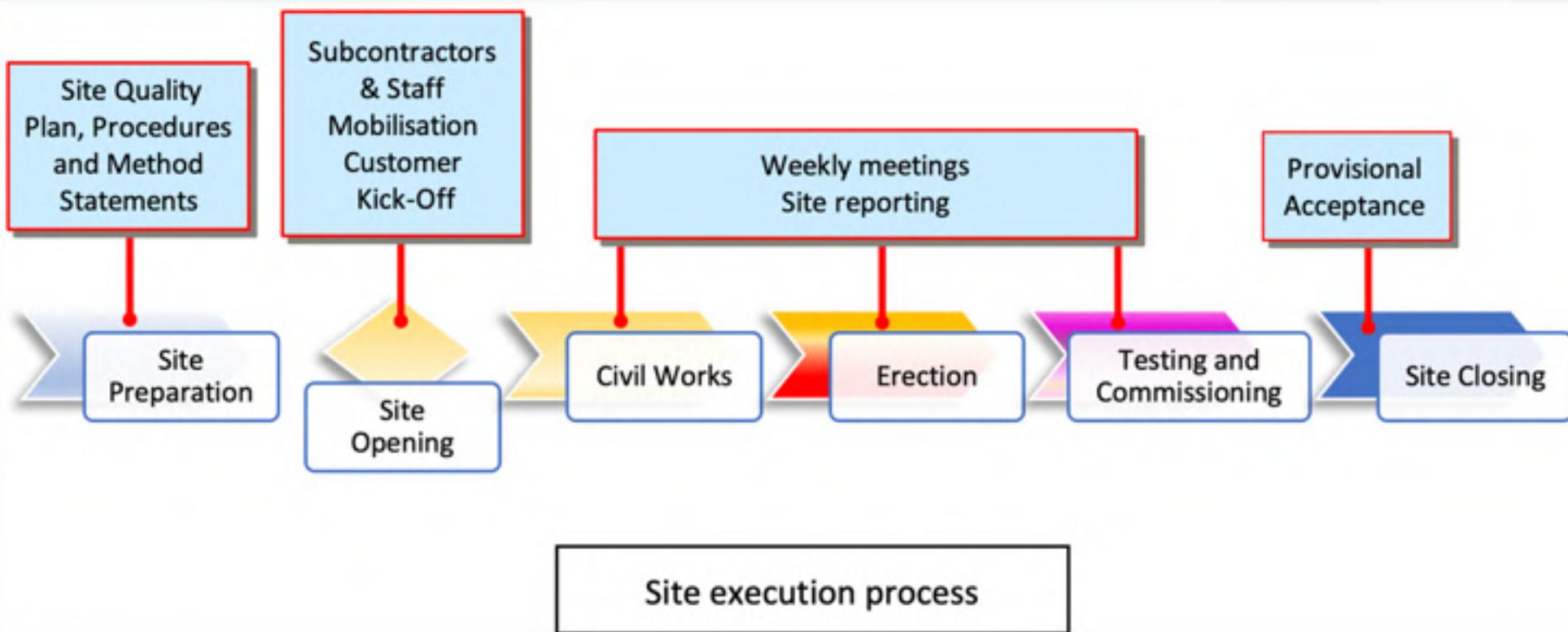
ELECTRICAL WORKS

Electrical Substation Projects Site Management





Site Management



Site Manager

Typical Site Management Organisation "Single Site"



Typical Site Management Organisation "Multi Sites"



Our business presence provides solutions for companies that require site management services. Especially, in Electrical Substation Project (AIS & GIS).

- ❖ Have more than 7 years project experience in AIS (Air Insulated Switchgear) and GIS (Gas Insulated Switchgear) project
- ❖ Understand site management, supervision, and reporting
- ❖ Demonstrated ability to read and interpret civil/electrical drawings, and technical manuals
- ❖ Experience in scheduling
- ❖ Have working knowledge of best practices in safety policies and procedures

Project Engineer/ Ass Project Manager

Typical Site Management Organisation "Multi Sites" with Project Engineer/ Assistant Project Manager



Our advantage is we have project engineer who:

- ❖ Have more than 4 years project experience in AIS (Air Insulated Switchgear) and GIS (Gas Insulated Switchgear) project
- ❖ Have knowledge and experience of Project Management methodology
- ❖ Have commercial awareness with knowledge of both budgetary and Financial control
- ❖ Have qualification degree in Electrical/Engineering discipline
- ❖ Have experience filling the role of project engineer for several projects occurring concurrently
- ❖ Have strong command of the English language with good written and oral communication skills to work
- ❖ Proficiency with reading and interpreting contract documents
- ❖ Proficient in operating Microsoft Project



Contact Us



PT ALPHA SOLUSI ENERGI

Your reliable mechanical drives & energi solutions partner

Komplek Bumi Puspitek Asri
JI Raya Bumi Puspitek Asri, Sektor 1, Blok A1, No 1,
Tangerang, Banten, 15339, Indonesia.

☎ (021) 5999-9266

✉ inquiry@alphasolusienergi.com

<https://alphasolusienergi.com>



Thank You