



HELB

Engineering for energy infrastructure



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Mission

We are an engineering team based on experience, excellence and partnership that provides solutions beyond expectations.

We are proud to make electricity available for next generations through our community and co-creation.

Vision

We will become a digital engineering company by 2025 through continuous creation of top experts.

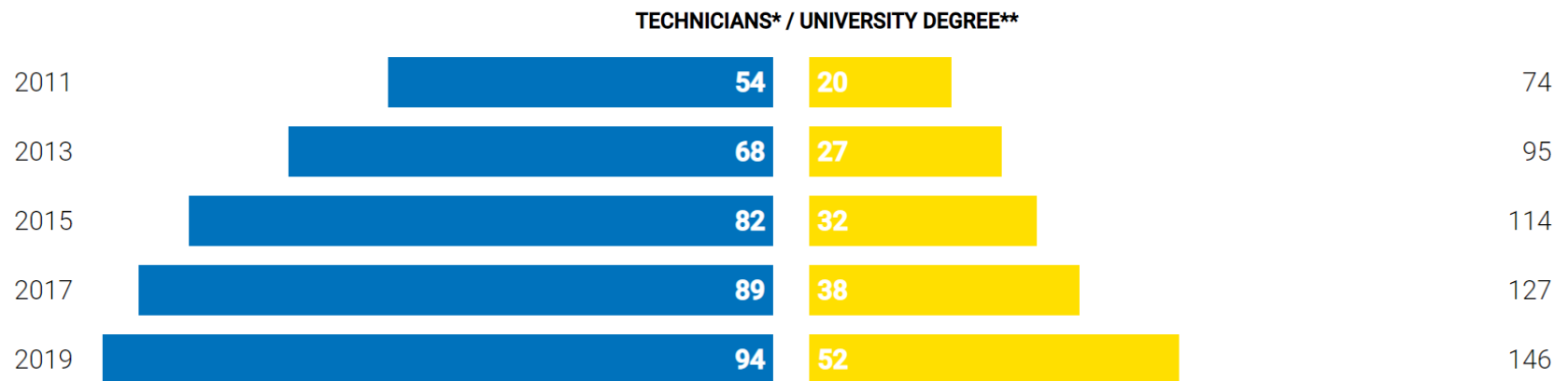
We will be the first choice in the integration of advanced power systems through the implementation of new technologies and knowledge on the local and global market.

Values

- Cooperation / Communion / Partnership
- Openness / Trust / Sincerity
- Responsibility
- Contribution / Productivity / Creativity
- Learning / Flexibility / Adaptability
- Love / Care about somebody and/or something

Business segments

- ENGINEERING SERVICES
- PRODUCTION
- PLAN CONSTRUCTION
- OIL AND GAS
- CONTROL AND MAINTENANCE



* A technician means a highly qualified employee with a maximum of high school certificate.

** The university degree marks the first-degree diploma, graduate degree and master's degree.

Engineering



Engineering Services



Production



Plant Construction



Oil and Gas



Control and Maintenance

Quality management systems

**ISO 9001 | ISO 14001 | ISO/IEC 27001 | ISO 45001
| SCCp | ISO/IEC 29001**

- MORE THEN 250 PROFESSIONAL TRAININGS
- MORE THEN 120 CERTIFICATES



Engineering services



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Engineering Services



Production



Plant Construction

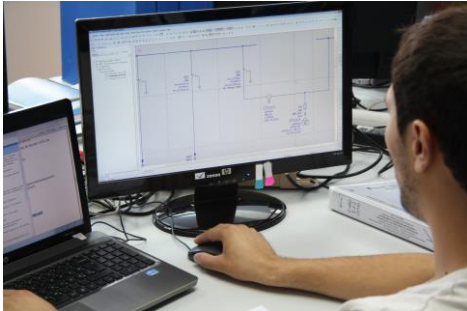


Oil and Gas



Control and Maintenance

— IN-HOUSE SOLUTIONS FOR
THE CONSTRUCTION OF
THE POWER
INFRASTRUCTURE.



DESIGNING

EPLAN Electric P8, AutoCAD, DiaLUX, Relux software tools and other specialized software



AUTOMATION

Automation of the manufacturing process or an optimization for power consumption



TESTING

From basic and functional testing to specialist and diagnostic testing



RELAY PROTECTION

Extends the testing from the primary (power system) to the secondary (control system)



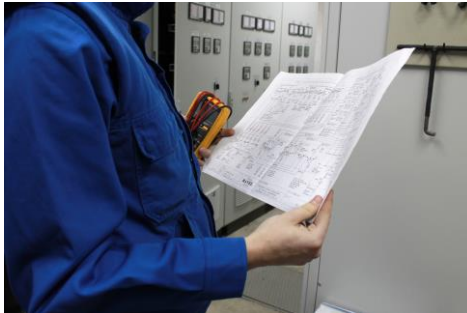
PROJECT MANAGEMENT

Using our own developed business software system



CONSULTING

various consulting services in the power sector and oil and gas sector



SUPERVISION

Includes the examination of the conditions that the contractor must fulfill



HEALTH AND SAFETY AT WORK

Health and Safety Management System – BS OHSAS 18001



ENERGY CONSULTING

Through energy audits - energy and cost optimization

Production



www.helb.hr



Engineering Services



Production



Plant Construction



Oil and Gas



Control and Maintenance

— WE PRODUCE CUSTOM-
TAILORED SOLUTIONS



CONTROL AND PROTECTION CABINETS

Creation of advanced control solutions used in automation of industrial processes or in transformer station protection systems



LOW POWER ENERGY DISTRIBUTION

Complete technical solution– design, manufacture, installation and commissioning



PORTABLE POWER AND CONTROL CABINETS

Robust power and control cabinets for mobile power supply for industrial consumers



ENERGY DISTRIBUTION CABINETS

Mobile datacenters, prefabricated plants, mobile drilling rigs for the petroleum industry and many others.



LOW POWER ENERGY DISTRIBUTION

Experienced team of designers, engineers and technicians can handle the most diverse specialized products.

Plant Construction



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Engineering Services



Production



Plant Construction



Oil and Gas



Control and Maintenance

- COMPLETE ENGINEERING SERVICE FOR POWER PLANTS.



DISTRIBUTION OF ELECTRICITY

Market leader in the construction of turn-key primary distribution facilities



ELECTRICITY TRANSMISSION

Specialized in the construction of the most complex transmission network facilities. Over 3,000 references worldwide



ELECTRICITY PRODUCTION

Through biomass, hydro, wind, solar or geothermal power plants building



INDUSTRIAL PLANTS

Solutions for industrial drives such as process automation, monitoring and control systems to industrial customers

Oil and Gas



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Engineering Services



Production



Plant Construction



Oil and Gas



Control and Maintenance

- AUTOMATION OF
DRILLING PLANTS WITH
STATE-OF-THE ART
TECHNOLOGY



PLANT POWER SUPPLY AND CONTROL SYSTEMS

DC motor drive – SCR, AC motor drive – VFD and auxiliary distribution facility – MCC



SPECIAL CABLES FOR TOP DRIVES (SERVICE LOOPS)

Compatible with worldwide for monitoring and control of Top Drives and power supply of Top Drives



AUTOMATION SYSTEMS

The Z-Torque – the torsional vibration damping device, drilling parameter tracking system, automatic drilling system, etc.



RECONSTRUCTION AND UPGRADE OF ELECTRICAL SYSTEMS (DRILLING PLANTS)

High quality service for reconstruction and upgrading of various electrical systems (BV, GL, DNV, LR, ABS, etc.)

Control and Maintenance



www.helb.hr



Engineering Services



Production



Plant Construction



Oil and Gas



Control and Maintenance

— MAINTAINING AN ENERGY
SYSTEM YOU INCREASE
IT'S RELIABILITY AND
PREVENT FAILURES



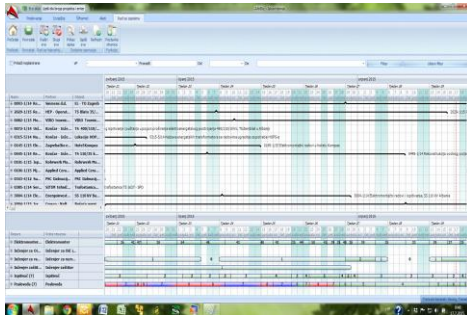
INTERVENTIONAL MAINTENANCE 24/7

Urgent intervention, removal of the malfunction and re-start of the plant



PREVENTIVE MAINTENANCE 365

Preventive maintenance throughout the life of the plant. Periodic examinations and diagnostic tests



REMOTE MONITORING AND MANAGEMENT OF THE OBJECT

By implementing SCADA systems or cloud monitoring solutions, minimizing OPEX



ADVANCED MANAGEMENT AND MAINTENANCE SOLUTIONS

By applying Augmented Reality, we allow efficient knowledge transfer of our specialists at the request of the user.

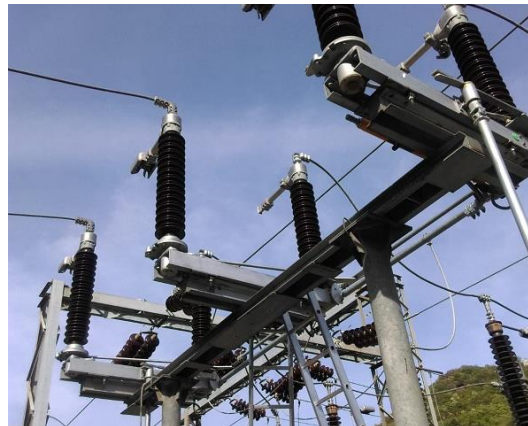
Projects



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Croatia: Electric power plants in the transmission area of Rijeka

- CLIENT: CROATIAN TRANSMISSION SYSTEM OPERATOR LTD.
- LOCATION: RIJEKA AREA, CROATIA
- SCOPE OF WORK: REPLACEMENT OF DISCONNECTORS TYPE CBE
110 kV ON POWER PLANTS IN RIJEKA TRANSMISSION AREA
 - SS LIČKI OSIK, EVP MORAVICE, SS DELNICE, SS CRIKVENICA, SS KRASICA, SS MATULJI, SS BUTONIGA, SS PAZIN AND SS POREČ.
- YEAR: **2020**



Croatia: INA Oil Refinery Rijeka

- CLIENT: IVICOM CONSULTING LTD.
- LOCATION: RIJEKA, CROATIA
- SCOPE OF WORK: RECONSTRUCTION, CONSTRUCTION OF A SUBSTATION, TESTING, AND PARTICIPATION IN COMMISSIONING
- YEAR: **2020**



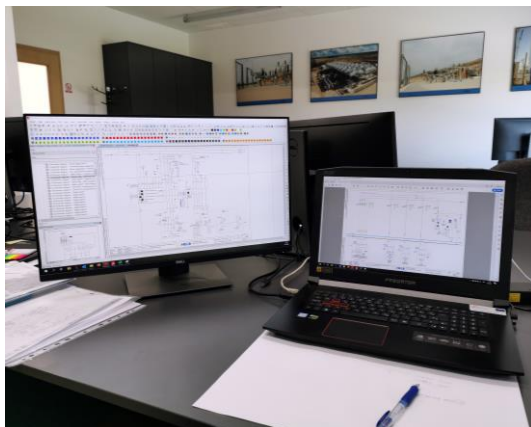
Ghana & DR Congo: Cabinets

- CLIENT: **PRO INTEGRIS LTD.**
- LOCATION: **GHANA AND DR CONGO**
- SCOPE OF WORK: **PRODUCTION OF THE CONTROL AND PROTECTION CABINETS** FOR KASOA BPS SUBSTATION IN GHANA AND HYDROPOWER PLANT IN THE DEMOCRATIC REPUBLIC OF CONGO.
- YEAR: **2020**



Germany: Design and production of cabinets

- CLIENT: **PAUL WURTH S.A.**
- LOCATION: **SALZGITTER FLACHSTAHL GMBH, GERMANY**
- SCOPE OF WORK: **DESIGN OF A PROGRAMMABLE LOGIC CONTROLLER AND A DISTRIBUTION CABINET, PRODUCTION AND TESTING**
- YEAR: **2020**



Croatia: Solar power plant Vis

- CLIENT: KONČAR — POWER ENGINEERING AND TRANSPORT INC
- LOCATION: VIS, CROATIA
- SCOPE OF WORK: ELECTRICAL INSTALLATION WORKS
 - Largest power plan in Croatia
- YEAR: 2020



KONČAR

Končar - Inženjering za
energetiku i transport d.d.



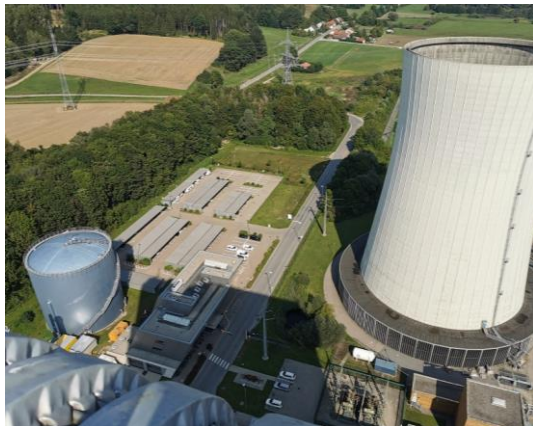
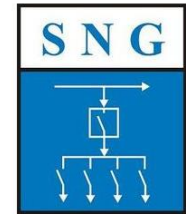
Croatia: Wind farm Korlat

- CLIENT: **ING — GRAD LTD.**
- LOCATION: **BENKOVAC, CROATIA**
- SCOPE OF WORK: **ELECTRICAL INSTALLATION WORKS, TESTING AND COMMISSIONING**
 - One of the largest wind farms in Croatia
- YEAR: **2020**



Germany: Schalttechnik – Kraftwerk Zolling Thermal Power Plant

- CLIENT: SCHALTTECHNIK NORD GMBH.
- LOCATION: KRAFTWERK ZOLLING THERMAL POWER PLANT,
GERMANY
- SCOPE OF WORK: FROM PRODUCTION AND ASSEMBLY OF MCC
TO TESTING AND COMMISSIONING
- YEAR: **2019**



Croatia: HRT – Croatian Radio and Television

- CLIENT: **HRT**
- LOCATION: **PRISAVLJE ZAGREB, CROATIA**
- SCOPE OF WORK: **RECONSTRUCTION OF ELECTRICAL INSTALLATIONS OF THE REDUNDANT UPS POWER SUPPLY OF THE MASTER IN THE HOME (MAIN BUILDING)**
- YEAR: **2019**



World: On energy transformers in Africa, America, Asia and Europe

- CLIENT: KONČAR POWER TRANSFORMERS, KPT
- LOCATION: AFRICA, AMERICA, ASIA, EUROPE
- SCOPE OF WORK: PRODUCTION OF CONTROL CABINETS FOR POWER TRANSFORMERS, INSTALLATION AND SUPERVISION OF INSTALLATION OF POWER TRANSFORMERS
- YEAR: 2019

Končar
Power Transformers
Ltd.



Region: Maintenance of wind farms

- CLIENT: SEVERAL COMPANIES
- LOCATION: CROATIA, MONTENEGRO, REGION
- SCOPE OF WORK: MAINTENANCE OF WIND FARMS
THROUGHOUT CROATIA AND THE REGION
- YEAR: **2019**



Croatia: Geothermal power plant

- CLIENT: **SIEMENS CROATIA**, INVESTOR: **MB HOLDING, TURKEY**
- PRODUCT GROUP: SIEMENS SIVACON, NX PLUS, SIMATIC, SIPROTEC
- LOCATION: '**VELIKA 1**' – CAPACITY **16.5 MWE**, THE LARGEST GEOTHERMAL POWER PLANT IN CONTINENTAL EUROPE
- SCOPE OF WORK: THE SUPPLY OF EQUIPMENT AND ELECTROMECHANICAL WORKS IN TRANSFORMER STATION OF GTE VELIKA CIGLENA
- YEAR: **2018**



Oman: 220 kV substation

- CLIENT: (SIEMENS) KONČAR POWER TRANSFORMERS
- LOCATIONS: SOHAR, OMAN
- SCOPE OF WORK: SUPERVISION OF INSTALLATION AND TESTING OF POWER TRANSFORMERS 500 MVA, 220 kV
- YEAR: 2018

SIEMENS



Egypt: Combined - cycle natural gas power plants

- CLIENT: SIEMENS AG, GS SCM C SG EFS FS
- LOCATION: BENI SUEF, NEW CAPITAL & BURULUSS
- SCOPE OF WORK: SUPERVISION OF INSTALLATION OF POWER TRANSFORMERS 485 MVA, 500 kV
- YEAR: **2018**

SIEMENS



Croatia: SS 110/10 (20) kV Zamet

- INVESTOR: CROATIAN TRANSMISSION SYSTEM OPERATOR LTD.
- CLIENT: SIEMENS CROATIA
- LOCATION: CROATIA
- SCOPE OF WORK: INSTALLATION OF GIS 110 kV FOR INTERNAL INSTALLATION
- YEAR: 2017- 2018



Ukraine: Equipment for subarctic conditions

- CLIENT: **CROSCO**, FOR UKRGASVYDOBUVANNYA (UGV) PJSC
- LOCATION: **UKRAINE**
- SCOPE OF WORKS: **PREPARATION OF EMSCO 605:**
 - Replacement of MCC connector and connecting board, drilling plant's cables and connectors, cooling units in PCR, complete lighting on the drill facility
 - Complete rig winterization
- YEAR: **2016 -2017**



UK: Offshore wind park

- CLIENT: **DONG**, PROINTEGRIS FOR **SIEMENS**
- LOCATION: **BURBO BANK & WALNEY EXTENSION - ONSHORE / OFFSHORE PLANT 400, 220, 34 kV FOR WIND POWER CONNECTION**
- SCOPE OF WORK: **FUNCTIONAL TESTING**
- YEAR: **2016**

SIEMENS



Croatia: Dubrovnik airport

- CLIENT: **DUBROVNIK AIRPORT**
- LOCATION: **DUBROVNIK, CROATIA, MEDITERANEAN TOURISTIC CENTAR**
- SCOPE OF WORK: **RECONSTRUCTION OF SUBSTATION TS-1**
10(20)/0,4 kV; 2x1000 Kva.
 - all works performed during the height of the season
without the air traffic disturbance
- YEAR: **2016**



Croatia: SS 110/10 (20) kV Ploče

- INVESTOR: CROATIAN TRANSMISSION SYSTEM OPERATOR LTD.
- CLIENT: KONCAR - POWER PLANT AND ELECTRIC TRACTION ENGINEERING INC.
- LOCATION: PLOČE, CROATIA
- SCOPE OF WORK: SUPPLY AND INSTALLATION OF PRIMARY EQUIPMENT (GIS 110 kV) FOR INTERNAL INSTALLATION
- YEAR: 2016

SIEMENS



Iraq: New AIS 132/33/11kV SS

- CLIENT: KURDISTAN REGIONAL GOVERNMENT, **MINISTRY OF ELECTRICITY (MOE)**
- LOCATION: **KOYA, REZAN, SHAQLAWA, SORAN, QUSHTAPA**
- PROJECT DESCRIPTION:
 - **ERECTION WORKS**
 - **SITE TESTING & COMMISSIONING OF ALL EQUIPMENT/SYSTEMS**
- YEAR: **2013-2014**



Croatia: Zagreb international airport

- CLIENT: **ZAGREB INTERNATIONAL AIRPORT**
- LOCATION: **ZAGREB, THE CAPITAL OF CROATIA**
- SCOPE OF WORK: **CONSTRUCTION & RECONSTRUCTION OF SS & SWITCHYARDS**
 - Challenge: continuous power supply
- YEAR: **1996-2014**



Albania: Main 220 kV switchyards

- CLIENT: KESH SH.A. - KORPORATA ELEKTROENERGJITIKE SHQIPTARE
- LOCATION: ALBANIA
- MAIN SWITCHYARDS FOR HYDRO POWER PLANTS: FIERZA & VAU DEJËS
 - All works conducted **without power interruptions**
- YEAR: **2013**



Croatia: Jackup drilling rig Labin

- CLIENT: **CROSCO**, INTEGRATED DRILLING & WELL SERVICES CO.
- LOCATION: CROATIA - THE ADRIATIC SEA
- SCOPE OF WORK: RECONSTRUCTION, TESTING & COMMISSIONING OF THE MAIN POWER CONTROL STATION (GENERATOR INCOMERS, SWITCHBOARD, MAIN AC/DC DRIVES)
- YEAR: **2013**



Croatia: Photovoltaic solar plant Biograd

- CLIENT: **MERIDIAN NEUE ENERGIEN GMBH, GERMANY**
- LOCATION: BIOGRAD- THE BIGGEST SOLAR PLANT IN THE REGION OF **DALMATIA**
- THE INVESTOR'S **INTERNAL QUALITY CONTROL** UNDERLINES EXTREMELY HIGH QUALITY CONSTRUCTION & TECHNICAL PERFORMANCE
- YEAR: **2013**



Albania: Main 220 kV SS

- CLIENT: OST SHA ALBANIA -OPERATORI SISTEMIT TRANSMETIMIT
- LOCATION: MAIN SUBSTATIONS IN THE CAPITAL OF ALBANIA: TIRANA, ELBASAN
- ALL WORKS CONDUCTED IN EXTREME WEATHER CONDITIONS
- YEAR: **2012**



Croatia: Thermal power plant Zagreb

- CLIENT: CROATIAN ELECTRICITY COMPANY HEP-PRODUCTION LTD., BUILDING: BLOCK “L” 100 MWE/80 MWT
- SCOPE OF WORK: RECONSTRUCTION OF 110 kV SWITCHGEAR, RECONSTRUCTION OF LV & MV DISTRIBUTION BOARDS/SWITCHGEARS
 - All works conducted **without power interruptions**
- YEAR: **2009**



Croatia: Windpark Vrataruša 42 MW

- CLIENT: **VALALTA ROVINJ** — **GREENFIELD INVESTMENT**
- FIRST SIGNIFICANT **CROATIAN** WIND PARK CONNECTED TO 110 kV TRANSMISSION NETWORK
- SCOPE OF WORK: MAIN CONTRACTOR FOR **ELECTRICAL INSTALLATION & ERECTION WORKS**
- YEAR: **2008-2009**



Croatia: Motorways Ltd.

- CLIENT: **HAC CROATIAN HIGHWAYS LTD.**
- KEY OBJECTS FOR TRANSMISSION & DISTRIBUTION
- SCOPE OF WORK: **RECONSTRUCTION OF 110 kV SWITCHGEAR**
 - SS Oštarije, SS Andrijevci 110/35/10(20) kV
 - SS Bobovje 110/20 kV, SS Obrovac 35/10/20 kV
 - SS Sveti Rok, SS Mala Kapela 35/20 kV
- YEAR: **2003-2008**



Croatia: Thermal power plant Zagreb

- CLIENT: SIEMENS CROATIA
- LOCATIONS: EL-TO ZAGREB
- SCOPE OF WORK: RECONSTRUCTION OF EL-TO ELECTRIC POWER PLANT
- PROJECT DURATION: 18 MONTHS

SIEMENS



Croatia: 7 biomass cogeneration plants

- LOCATIONS: BE-TO CHP SISAK, OSIJEK, ĐAKOVO, SLAVONSKI BROD, GLINA 1, GLINA 2, SAVA
- NET ELECTRICAL OUTPUT: 1-5 MWe, HEAT: 3-15 MWt
- SCOPE OF WORK: **GENERAL CONSUMPTION OF BE-TO**



Can we HELB you?



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HEL B Team

- **HEL B HAS THE TOP EXPERTS WHO, AT EXTREME WEATHER, DIFFERENT LOCATIONS AND COMPLEXITY OF OBJECTS ALWAYS SUCCESSFULLY OVERCOME OBSTACLES AND DELIVER TOP-NOTCH RESULTS.**
- **OUR VALUES, SUCH AS **MUTUAL COOPERATION**, LEAD US TO SUCCESS**
- **WE ALWAYS PUT OUR CUSTOMER FIRST, SO HEL B OFFERS A SOLUTION BEYOND THEIR EXPECTATIONS**



Thank you



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