

# SAIF UL HASSAN

## Electrical Engineer – Testing & Commissioning / Quality Control

+966 53 998 5170 ✉ [engrsaifulhassan@gmail.com](mailto:engrsaifulhassan@gmail.com) 📍 Riyadh, KSA



### CAREER OBJECTIVE

"Results-oriented Electrical Testing Engineer with **over 5 years** of extensive GCC experience (KSA & UAE) in LV, MV, and HV systems. Specialized in critical **major shutdown execution, Power Transformer, switchgear, Protection relay, and Cable testing**, and IEC / IEEE / SEC compliance, with strict adherence to PTW, LOTO, and utility safety standards. Seeking a challenging role with a **Gulf utility or EPC** to deliver **zero-incident shutdowns, high-reliability protection systems, and world-class Commissioning or Maintenance excellence.**

### CORE COMPETENCIES

#### ➤ Testing & Commissioning

- **Power Transformer Testing:** IR, TTR, Winding Resistance, Tan Delta, Vector Group, Magnetizing Current, BDV
- **CT & VT Testing:** Ratio, Polarity, Excitation, Burden, Insulation & Tan Delta
- **Circuit Breaker Testing:** Timing, Contact Resistance, IR, SF<sub>6</sub> Density, Vacuum CBs, Coil resistance
- **Cable Testing:** Continuity, IR, Sheath, VLF, AC Hipot tests
- **Protection Relays:** Functional testing, Tripping
- MV / HV Switchgear Testing & Functional Checks

#### ➤ Panels & Systems

- EHV, HV Panels (132KV Line control panel, Power Transformer control panel, AC/DC Auxiliary panel etc )
- LV Distribution Panels (Feeders, MDB, SMDB, MCC)
- Protection & Control Panels
- Motor Stator Panels & Motor Control Centers
- Interlocking, wiring checks, functional & logic testing

#### ➤ Tools & Equipment

- OMICRON CPC 100 / CP CB2 / CP TD1
- OMICRON CT ANALYZER
- OMICRON CMC – 256, CMC - 356
- Megger (Delta 4000, MTO series, MIT series)
- Megger FREJA 300 / 546 / 549
- Megger VIDAR
- Megger MOM 200A, MOM 600A
- Megger EGIL 200 / EGIL 300
- Megger SVERKER 750
- Primary & Secondary Injection test sets

### PROFESSIONAL EXPERIENCE

#### ❖ **Exact Technical Solutions, Khobar, KSA**

**Project: Rabigh Power Company (RBC), Al Rabigh City**

**Tenure: Oct – 2025 to Continue**

**Designation: Electrical Testing Engineer – Shutdown Activities**

#### **Role & Responsibilities :**

- Executed **planned electrical shutdown activities** for LV, MV & HV systems, ensuring strict compliance with **plant safety procedures, PTW, and LOTO requirements.**

- Conducted detailed **visual inspections**, cleaning, torque tightening, and corrective maintenance on switchgear and panels.
- Performed comprehensive **2.5 MVA 13.8 kV/400-230V Power transformer testing** including **Insulation Resistance (IR/PI), Winding Resistance, TTR, Magnetizing Current, Tan Delta, Vector Group and Oil BDV** to assess insulation health and operational readiness.
- Conducted **CT and VT testing** such as **ratio, polarity, excitation, burden, and insulation resistance**, ensuring accurate metering and protection performance.
- Carried out **circuit breaker testing** (LV/MV/HV) including **timing analysis, contact resistance (DCRM), insulation resistance, and SF<sub>6</sub> density checks**, verifying mechanical and electrical integrity.
- Tested and inspected **LV distribution panels, MDBs, SMDBs, control panels, and motor stator panels**, including **IR testing, wiring verification, interlock checks, and functional testing**.
- Executed pre-commissioning and commissioning of underground **MV & HV cables**, including installation inspection, earthing and bonding verification, **IR, sheath integrity, VLF/Hi-Pot testing, jointing and termination supervision**, fault location, HSE compliance, and test documentation in accordance with SEC and IEC standards.
- Prepared and reviewed **test reports, shutdown completion reports, and as-found / as-left condition documentation** for client and management approval.
- Coordinated closely with **operations, maintenance, safety, and quality teams** to ensure shutdown activities were completed safely, efficiently, and within scheduled timelines.

## ❖ Safety Electrical Trading Company WLL Abu Dhabi, UAE

**Tenure: July – 2023 to July – 2025**

**Designation: Electrical Engineer – Testing / Maintenance / Shutdown Activities**

### Role & Responsibilities:

- Delivered **LV & MV electrical testing, commissioning, and shutdown activities** across **power plants, substations, and EPC projects** in UAE.
- Executed **planned shutdown works** in power plant environments, including **isolation, LOTO, earthing, testing, maintenance, and controlled re-energization**.
- Conducted testing of **LV switchgear, MV panels, transformers, circuit breakers, cables, and distribution boards** in accordance with **IEC, IEEE, and project specifications**.
- Carried out **LV/MV/HV circuit breaker testing**, including timing analysis, contact resistance, insulation resistance, and SF<sub>6</sub>/vacuum condition checks.
- Assisted in the installation & testing of power transformers (up to **33kV/13.8kV/4.16KV/480V**), including **IR, Ratio, and Vector group Dyn11** testing.
- Verified and tested **CT/PT ratios, polarity, and wiring configurations** to ensure metering integrity and compliance with system design specifications.
- Executed pre-commissioning and commissioning of underground **MV & HV cables**, including installation inspection, earthing and bonding verification, **IR, sheath integrity, VLF/Hi-Pot testing, jointing and termination supervision**, fault location, HSE compliance, and test documentation in accordance with SEC and IEC standards.
- Inspected and tested **MDBs, SMDBs, Modified DBs, Control panels, and motor control panels**, including wiring checks, interlocking, and functional verification.
- Having hand-on experience in testing control panels like **MCC, Motor starters DOL, Star-Delta, VFD, Lighting Control panel (DLCC), ATS panels, Booster/Transfer pump control panels, Green House panel, AHU, Power Metering Unit panel** etc.
- Having hand-on experience in Routine Tests (performed on every panel) when get ready. These tests are **Insulation Resistance test, Dielectric Test, Continuity test, Mechanical Operation test, Functional test** etc.
- Supported **site maintenance and troubleshooting**, diagnosing electrical faults and assisting in timely system restoration.
- Prepared **test reports, inspection records, and quality documentation**, and coordinated approvals with consultants and clients.
- Ensured strict adherence to **site safety procedures**, PTW requirements, and electrical safety regulations.

## ❖ Power Electronics Pakistan Pvt Ltd Lahore, Pakistan

**Tenure: June – 2021 to May – 2023**

**Designation: Electrical Engineer (Protection, Testing, QC & Site Execution)**

### **Role & Responsibilities:**

- Worked as an **Electrical Testing and Site Engineer** with a switchgear manufacturing company, supporting **LV, MV & HV panel production, testing, installation, and site commissioning** activities.
- Prepared and reviewed **Electrical Load Schedules, Single Line Diagrams (SLD), Power & Lighting Layouts**, and technical documentation in coordination with the design team.
- Performed **technical review of electrical drawings** and carried out **KVAR calculations for power factor improvement (PFI)** systems.
- Supervised **daily site activities**, monitored work progress, and prepared **daily progress and testing reports**.
- Executed **installation, inspection, and testing of LV, MV, HV switchgear, distribution boards, control panels, and associated electrical equipment**.
- Gained hands-on experience working on **PFI panels, 132kV Line relay panels, 132kV Line control panels, 50MVA Power Transformer control panels, and AC/DC auxiliary panels** during project execution and completion stages.
- Performed **power transformer testing** including **Insulation Resistance (IR), Winding Resistance, Tan Delta (Capacitance & Dissipation Factor – C & DF), and Vector Group verification (Dyn11)** in accordance with IEC standards.
- Executed **CT and PT testing** such as **Insulation Resistance, Winding Resistance, Knee Point / Excitation tests, Ratio and Polarity verification**, ensuring accurate protection and metering performance
- Performed comprehensive testing of **ACB, VCB, and SF<sub>6</sub> circuit breakers**, including **Insulation Resistance, Contact Resistance (DCRM), Timing (Open/Close), Mechanical operation, Interlock verification, and Functional checks** in accordance with IEC standards.
- Conducted **SF<sub>6</sub> gas-related checks** such as **density monitoring, leakage inspection, and pressure verification**, ensuring breaker reliability, safety, and compliance with manufacturer and utility requirements.
- Performed testing, inspection, and functional verification of **11kV feeder panels**, including **protection relay checks, insulation resistance testing, interlocking verification, and breaker operation** in compliance with IEC and utility standards.
- Conducted **MV, HV cable testing** such as **continuity test, insulation resistance (IR) test, and Hi-Pot testing**.
- Gained hands-on experience working on **synchronization panels**, including inspection, wiring verification, functional checks, and testing to ensure safe and reliable generator/grid synchronization.
- Performed testing, inspection, and commissioning of **LV distribution panels**, including **MDBs and SMDBs**, ensuring correct protection coordination, wiring integrity, and compliance with approved drawings and standards.
- Maintained proper **technical documentation, inspection records, and testing reports** for quality and client approval.

## ❖ PESHAWAR ELECTRIC SUPPLY COMPANY, Pakistan (Protection & Instrumentation Department)

**Tenure: January – 2021 to June – 2021**

**Designation: Assistant Engineer (P&I)**

### **Role & Responsibilities :**

- Possess strong working knowledge of **132kV grid substation primary equipment**, including **Current Transformers (CTs), Potential/Voltage Transformers (PTs/VTs), circuit breakers (SF<sub>6</sub>/VCB), isolators, lightning arresters, and power transformers**, covering installation, inspection, testing, and operational principles.
- Performed comprehensive testing of **50 MVA power transformers**, including **Insulation Resistance (IR), Capacitance & Dissipation Factor (C & DF / Tan Delta), Vector Group verification, Winding Resistance, Turns Ratio (TTR), Magnetizing Current & Balance, Open-Circuit (O/C), Closed-Circuit (C/C), and Oil BDV testing**, in accordance with IEC standards.

- Performed comprehensive **CT and VT testing** including **Insulation Resistance, Winding Resistance, Ratio, Polarity, Excitation/Knee Point, Burden, and Functional verification**, ensuring accurate protection and metering performance in compliance with IEC standards.
- Able to **interpret and analyze electrical drawings**, including **Single Line Diagrams (SLDs), wiring diagrams, protection schematics, interlocking diagrams, and control logic drawings**, for accurate execution and troubleshooting.
- Well-versed in **protection relay functionality**, including **Overcurrent & Earth Fault (OC/EF), Differential, Distance, and supervision relays**, with practical exposure to protection schemes used in HV substations.
- Experienced in **relay testing and tripping verification** using **primary and secondary injection test sets (Megger/OMICRON)** to confirm correct pickup values, time-current characteristics, and tripping performance.
- Conducted inspection and testing of **AC and DC auxiliary panels, protection relay panels, and control panels**, ensuring proper wiring, functional integrity, and compliance with approved drawings and standards.
- Hands-on experience performing **High-Potential (Hi-Pot) testing** on electrical equipment and cables to verify insulation strength and integrity.
- Familiar with **incoming and outgoing feeder panels and HT switchgear**, including inspection, functional testing, interlocking verification, and protection coordination.
- Ensured all testing and inspection activities complied with **IEC, IEEE, and utility standards**, while following approved **PTW, LOTO, and electrical safety procedure**

## EDUCATIONAL BACKGROUND

**Bachelor of Science in Electrical Engineering (2021), 1<sup>st</sup> Division**  
*International Islamic University Islamabad, Pakistan*

## PROFESSIONAL MEMBERSHIP

**Pakistan Engineering Council (PEC) – Reg No: ELECT/92404**

## PERSONAL DETAILS

**Contact #** +966 53 998 5170  
**Nationality:** Pakistani  
**Languages:** Urdu, English, Arabic  
**Date of Birth:** April 22, 1997  
**Driving License:** UAE (valid)  
**Email:** [engrsaifulhassan@gmail.com](mailto:engrsaifulhassan@gmail.com)  
**LinkedIn Profile:** [linkedin.com/in/saif-ul-hassan-7406191a2](https://www.linkedin.com/in/saif-ul-hassan-7406191a2)  
**Location :** Riyadh, KSA  
**Iqama:** Valid & Transferable

## REFERENCES

Available upon request.

Date: 02.08.2025

Ref: SFT/HR/25/01

## EXPERIENCE CERTIFICATE

This is to certify that **Mr. SAIF UL HASSAN AHMAD MEHMOOD**, Pakistan Citizen, with Passport No. QD 6807921 was employed by **Safety Electrical Trading Co. WLL** as **Quality Control/ Testing Engineer**. from 03-07-2023 to 31-7-2025.

During his tenure with the company, he has carried out his job functions diligently and meticulously. We found he is to be dependable, reliable, hardworking and conscientious towards work. He has shown excellent performance and good working relation with the management team & his colleagues.

He had wide understanding towards her scope of work and good technical experience.

Yours Faithfully,

  
Prakash Bholwani

HR AND ADMIN DEPARTMENT.



Tel.: +971 2 5559259, Fax: +971 2 5559276, P.O. Box : 27482, Mussafah M-17, Abu Dhabi - U.A.E.

E-mail: info@safetelectrical.ae

Approved By:



We are "ASTA" Certified Panel Builder with approvals from A.D.D.C & A.A.D.C

Schneider  
Electric

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ABB

ABB

EPCOS

DORMAN  
SMITH

RR/KABEL

LUVATA

saizer

socomec

C&S



# Power Electronics Pakistan (Pvt) Ltd.

Power Electronics Pakistan (PEP) Client Service Line: 03460244675 (Every day 8am-8pm)  
Office Address: 112/6 Industrial Estate Kotlakhpat Lahore  
Factory Address: Masjid Ibraheem Road 22 Km Ferozpur Road Gajumatta Lahore  
Email: [info@powergroup.io](mailto:info@powergroup.io) Website: [www.powergroup.io](http://www.powergroup.io)  
Facebook <https://www.facebook.com/powerElectronicsPakistan/>



QBE 00201

Date: 11/05/2023

## To Whom IT May Concern

This is to certify that **Engr. Saif Ul Hassan S/o Ahmad Mehmood**, holding CNIC# 14301-9760792-1 has been our employee from 15<sup>th</sup> June 2021 to 10<sup>th</sup> May, 2023 as an **Electrical Engineer** at Power Electronics Pakistan (Pvt.) Ltd. Power Electronics Pakistan (Pvt.) Ltd is one of the Pakistan's leading switchgear manufacturing company offering a wide range of electrical distribution solutions including HT and LT switchgear panels that is used in Transmission and Distribution sides.

### Projects completed:

- 1) AC/DC auxiliary service panels  
WAPDA grid station AC and DC supply panels complete with circuit breaker installation, wiring and testing of all required instrumentation.
- 2) LT panels and Distribution Boards.
- 3) 132KV Line Control Panels CP-20, CP-30.
- 4) Power Transformer Control Panel CP-50.
- 5) Testing of Control and AC/DC Panels.
- 6) 132KV Line Protection Relay Panels RP-3
- 7) 132KV 2-Line Metering Panels
- 8) PFI Panels
- 9) Synchronizing Panels
- 10) Bus Coupler panels
- 11) ATS Panels

During this tenure here we have found him to be a committed, responsible, and trustworthy member of the company. He contributed to people around him with his optimistic attitude and innovative ideas. He has proved that even in the toughest of situations he is confident of himself, always on his toes willing to work and learn. We wish him the best of luck for his future. Upon any queries feel free to contact at [info@powergroup.io](mailto:info@powergroup.io)

**Umar Rafique**  
HR Manager



**Sabir Ali**  
General Manager

### WAPDA APPROVED

Switchgear and Controlgear Manufacturers H.T Panels, L.T Panel, Control & Relay Panels, PFI Plants, Motor Control Starters, ASD Starters, AMF Panels, Synchronizing Panels, Distribution Boards, etc



Accreditation  
007QS



Accreditation the council  
for accreditation  
Accreditation No. Co 55



## PESHAWAR ELECTRIC SUPPLY COMPANY LIMITED

Office of the Chief Executive Officer PESCO Peshawar  
Tel No. 091 9212230 Fax No. 091 9212024

No: 7164 /Manager (TRG&DEV)

A-108

Dated 11/06/2021

### To Whom IT May Concern

This is to certify that **Mr. Saif ul Hassan S/O Ahmad Mehmood**, Trainee Engineer, student of B.Sc (**Electrical**) Engineering, International Islamic University, Islamabad, **Reg# 102-FET/BSEE/F16** has successfully completed (**06**) Months Training from 04<sup>th</sup> January, 2021 to 04<sup>th</sup> June, 2021 with XEN (**P&I**) Division PESCO Peshawar under overall supervision of "**Addl; Chief Engineer**" GSO Circle PESCO Peshawar. During the period of his Training programme with us he was found punctual, hardworking and inquisitive.

**MANAGER (TRG & DEV)**  
PESCO Peshawar

Serial No. 2019 / 053338

الرقم المسلسل

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Registration No. 102-FET/BSEE/F16 رقم التسجيل

**INTERNATIONAL ISLAMIC UNIVERSITY**

Islamabad - Pakistan



**الجامعة الإسلامية العالمية**

إسلام آباد - باكستان

*This is to certify that* SAIF UL HASSAN

*son/daughter of* AHMAD MEHMOOD

*on having fulfilled the prescribed requirements in the examination*

*held in* June 2021 *is awarded the degree of*

**BS in Electrical Engineering**

*He/She has secured Cumulative Grade Point Average*

*of* 2.86 *out of 4.0*

*We pray Allah to guide him/her to serve Islam and Knowledge.*

تشهد الجامعة أن سيف الحسن

ابن / بنت احمد محمود

قد أتم/ أتمت المتطلبات الدراسية للجامعة في الامتحان

المنعقد في يونيو 2021 و منح / منحت بناء على ذلك درجة

بكالوريوس العلوم في الهندسة الكهربائية

ونال / ونالت درجة تراكمية قدرها

2.86 نقطة من 4 نقاط

نسأل الله أن يوفقه / يوفقها لخدمة الإسلام والعلم-



*Muhammad Yaqub*

مدير الشؤون الأكاديمية  
Director (Academics)

*Muhammad Yaqub*

رئيس الجامعة  
President

*Muhammad Yaqub*

نائب رئيس الجامعة للشؤون الأكاديمية  
Vice President (Academics)

VERIFIED & FOUND CORRECT

Deputy Director  
 Name: Shabbaz  
 Signature: Shabbaz  
 Director, Islamabad

Checked by Mr. Murad Ullah  
 (PO-II)  
 Md.

**COUNTERSIGN TO ONLY**  
 Ministry of Foreign Affairs is not responsible for the contents of the document

PAKISTAN  
 FEDERAL GOVERNMENT  
 ATTESTATION STAMP  
 RS25

2023 MAY 11

International Islamic University, Islamabad (IIUI), Pakistan was established through ordinance No. xxx of 1985 promulgated by the President of Islamic Republic of Pakistan as a public sector university. President of Islamic Republic of Pakistan is Chancellor of the university.



Prepared by

Checked by

الإمارات العربية المتحدة  
 UNITED ARAB EMIRATES  
 Ministry of Foreign Affairs  
 وزارة الخارجية والتعاون الدولي

Date : 22/03/2023 08:54 : التاريخ  
 No : 23006013871 : رقم  
 Fee : USD 40.84 : الرسوم : دولار أمريكي

مطابقة - استثنائية  
 مطابقة على صحة ختم و توقيع  
 وزارة خارجية جمهورية باكستان الإسلامية  
 بدون كسمل أي مسؤولية تجاه المستلمين



الإمارات العربية المتحدة  
 UNITED ARAB EMIRATES  
 Ministry of Foreign Affairs  
 وزارة الخارجية والتعاون الدولي

Date : 02/06/2023 10:03 : التاريخ  
 No : 23146122046 : رقم  
 Fee : AED 150 : رسوم : درهم إماراتي

مطابقة على صحة ختم و توقيع  
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 مطابقة على صحة ختم و توقيع



Higher Education Commission  
 Regional Centre, Peshawar  
 Government of Pakistan  
 13 MAY 2022  
 Attestation Officer  
 UNAM NAD

HIGHER EDUCATION COMMISSION  
 PAKISTAN  
 Rs.1000  
 2564230





# Pakistan Engineering Council

(Constituted under Pakistan Engineering Council Act. 1976 enacted by the Parliament)

Attaturk Avenue (East, G-5/2, Islamabad)

PEC Reg No: ELECT/92404

Dec 10, 2021

**Engr. Saif Ul Hassan**

House No. T-278, Jhandi station by pass road near  
Shan wedding hall, backside Masjid Hazrat Ali,  
Ghazi abad chowk Kohat.  
03359200406



Subject: REGISTRATION WITH PEC UNDER PAKISTAN ENGINEERING COUNCIL ACT, 1976

My Dear Engr. Saif Ul Hassan

Assalam-o-Alaikum,

I congratulate you on becoming member of Pakistan Engineering Council (PEC) as "Registered Engineer". Now you are entitled to write "Engr" with your name. This certificate is the first recognition of your engineering qualification with PEC.

Engineering is holistic profession with a commitment develop State of the Art infrastructure and facilities for the welfare of society and socio-economic development of the country. Your role in achieving these national and social objectives is very important. The future of this country and engineering profession will always depend on your commitment and dedication and I am sure that you have the potential to take this challenge.

Corruption is menace, which is eroding the economy of developing countries and Pakistan is not an exception. To provide equal opportunities to all in our societies, we have to eradicate it from its roots. As a nation, we need to say collectively "No To Corruption". For making a corruption free, just and equitable society, your role is inevitable.

PEC is working hard to bring the engineer's pride back in the society. We have taken many initiatives to facilitate and improve the engineer's status & employment in Pakistan:

- Creating 12000 jobs for fresh engineers in year 2017 by introducing "Supervisory Certificate"
- On line registration of engineers
- Computerizing the data bank of engineers.
- Ensuring the real employment of engineers with the contractors/consultants at the time of issuing new/renewing their licenses by introducing Biometric verification system.
- Registration of students from Fall 2016 with PEC to ensure their legal admission in universities.
- Developing think tanks on different national issues to provide guideline to Govt. of Pakistan.

Similarly many more initiatives are on the way which we will keep updating you on your E-mail address with PEC. However, if you have any good idea for the development of engineers do share with us at [chairman@pec.org.pk](mailto:chairman@pec.org.pk). Wish you all the best in life and have a good day. My regards and congratulations to your parents, elders and Youngers.

With best wishes  
Regards

Engr. Nasir Mahmood Khan  
Registrar



## **REGISTERED ENGINEER**



Name: ENGR SAIF UL HASSAN

CNIC: 1430197607921

Reg No: ELECT/92404

Expiry: DECEMBER 31, 2025

Address: POWER ELECTRONICS PAKISTAN PVT  
LTD COMPANY NEAR TO LSE (LAHORE  
SCHOOL OF ECONOMICS UNIVERSITY)  
DHA SECTOR P, PHASE 7 BARKI ROAD  
CITY LAHORE CITY,

Signature of Holder



Registrar

Sr. No. 314746

RENEWAL CARD



Attaturk Avenue (East) G-5/2, Islamabad

UAN: 111-111-732

[www.pec.org.pk](http://www.pec.org.pk)



United Arab Emirates

دولة الإمارات العربية المتحدة



Driving License

رخصة قيادة



سلطة الترخيص

ADTR163677

Licensing Authority

License No.

1326723

رقم الرخصة

الاسم سيف اول حسن احمد محمود

Name

SAIF UL HASSAN AHMAD MEHMOOD

Nationality

PAKISTAN

الجنسية باكستان

Date of Birth

22-04-1997

تاريخ الميلاد

Issue Date

21-05-2025

تاريخ الاصدار

Expiry Date

20-05-2027

تاريخ الانتهاء

Place of Issue

Abu Dhabi

جهة الاصدار أبوظبي

Traffic Code No.

1250011980

الرمز المروري

Permitted Vehicles

أنواع المركبات المصرح بقيادتها

			مركبة خفيفة Light Vehicle	

• This license should be with you when you are driving and should be presented on demand to an authorized person.

• يجب حمل الرخصة أثناء القيادة وإبرازها عند الطلب للجهات المختصة.

• Give way to ambulance, civil defence, VIP escort and police vehicles.

• يجب امتناع الطريق لسيارات الإسعاف الدفاع المدني، الموكب الرسمية والشرطة.

UAE

MADE IN UAE



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