

TÜV NORD

TÜV NORD
Group



Introducing
the Company:



TÜV NORD Group, a Competent and International Service Partner

- Competence – with broad expertise, neutral and independent
- International – located throughout the world
- Your partner – thanks to customer orientation, comprehensive service and reliable expert consultancy

The TÜV organizations in Germany are rooted in a notion pursued by industry of "self-help"

- At the end of the 19th Century, industrial concerns joined to form associations to provide quality assurance in the manufacture and operation of steam boilers.
- These so-called "DÜV" eventually took over activities on behalf of government in all technical fields.
- Through a series of mergers, the numerous small associations merged to form the present TÜVs in Germany.
- TÜV NORD Group was formed in 2004.

The TÜVs in Germany



TÜV NORD Group

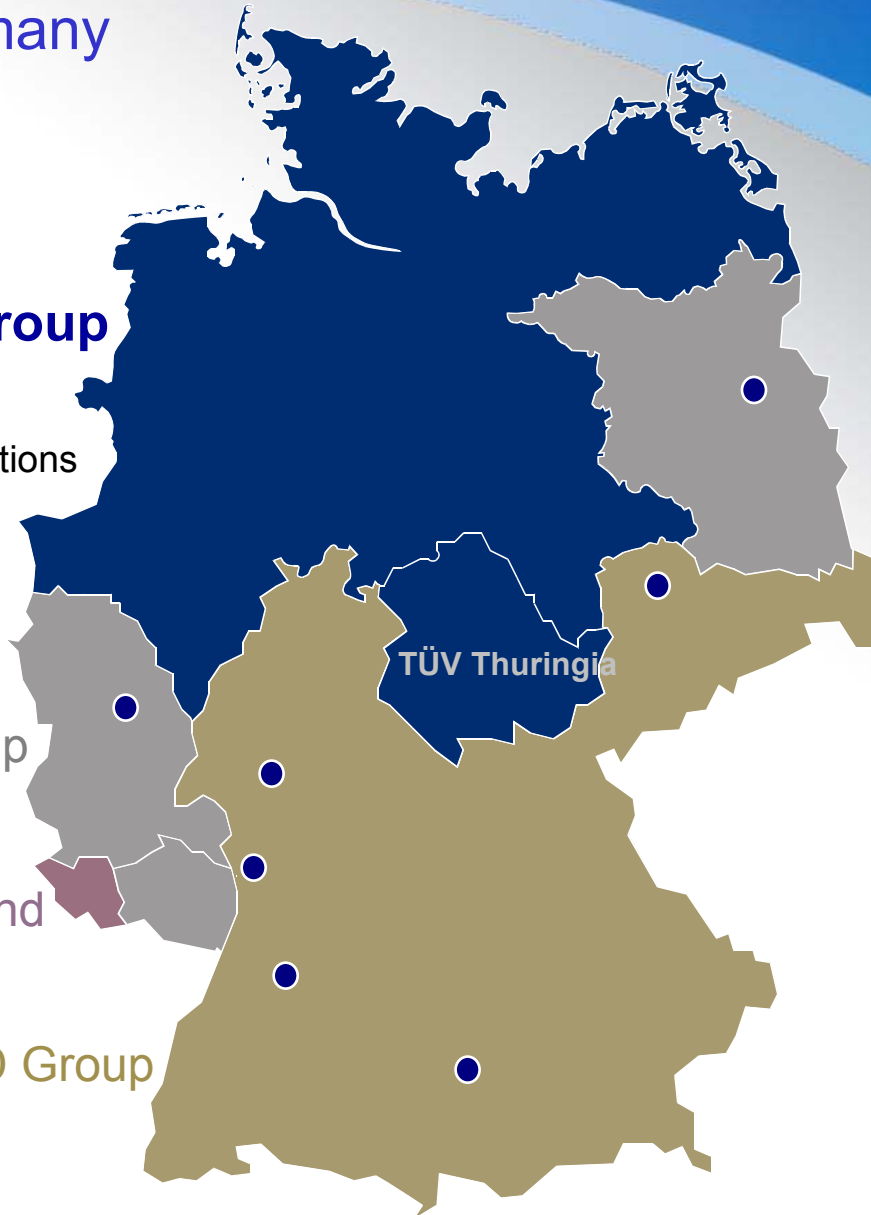
● locations

TÜV Rheinland Group

TÜV Saarland

TÜV SÜD Group

TÜV Thuringia



Our Key Data

Foundation of the associations:

- TÜV Nord e.V.: **1869**
- RWTÜV e.V.: **1872**
- TÜV Hannover/Sachsen-Anhalt e.V.: **1873**

Foundation of TÜV NORD Group: **2004**

Number of employees: **approx. 6600**

Turnover: **approx. 600 million EURO**

New Areas of Work Year after Year

1869

Steam boilers **1900**

Mining

Conveying systems **1950**

Electrical systems

Pressure vessels

Materials

1980

Motor vehicles

Welding

Driving licence examinations **1990**

Piping

- Tank farms & storage tanks

- Shop inspection

- Noise control

- Nuclear energy

- Occupational safety

- Occupational medicine

- Radiation protection

- Microelectronics

- Water protection

- Medical devices

- Biotechnology

- Quality assurance

- Information technology

- Telecommunications

- Environmental impact assessment

- IT security

- Data protection

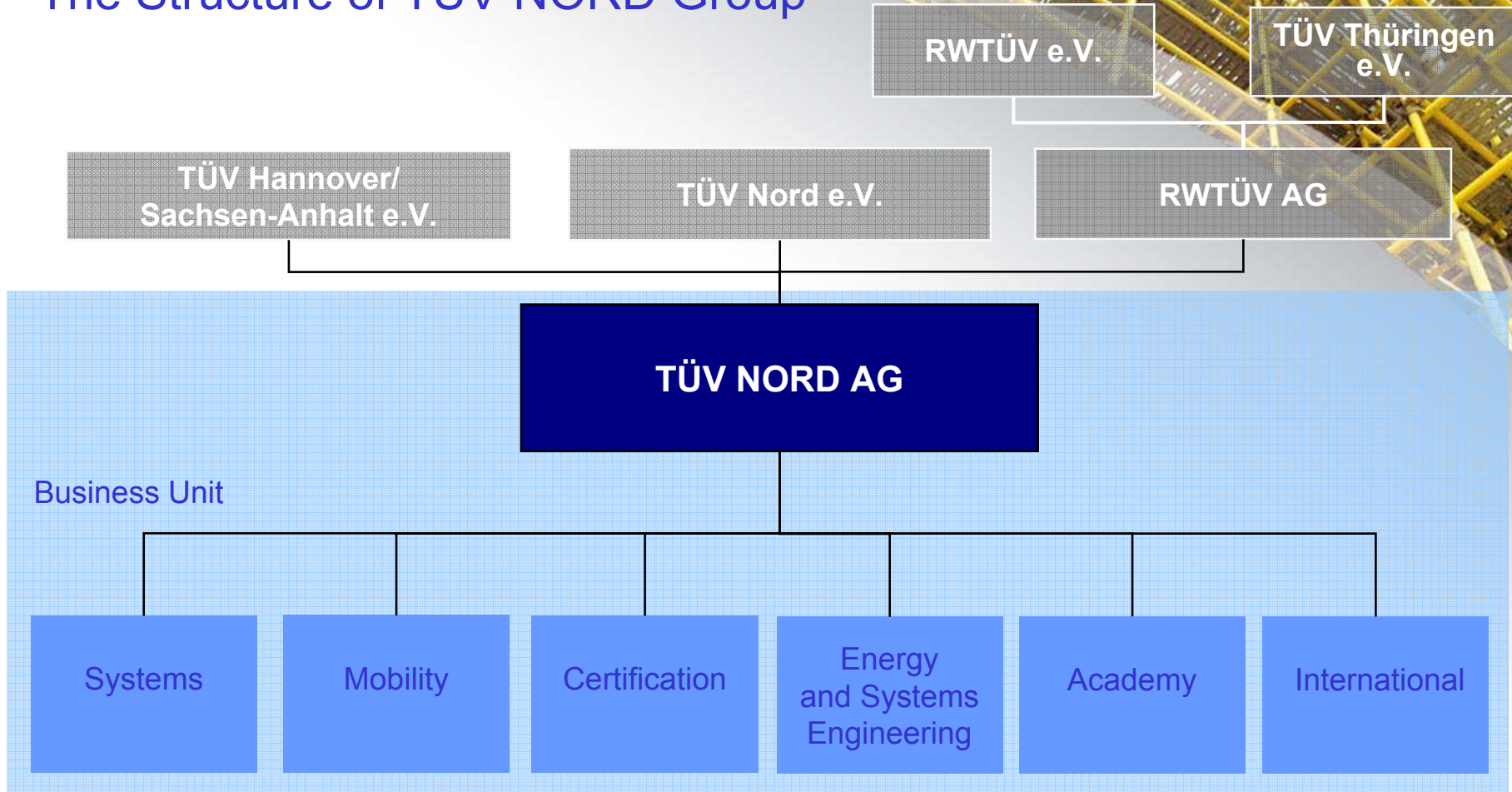
- Health

- Aviation

2000

2010

The Structure of TÜV NORD Group



Qualified personnel provide the basis for high-level services

- Civil engineers
- Biologists
- Chemists
- Electrical engineers
- Geologists
- Geographers
- Informatics specialists
- Automotive engineers
- Aerospace engineers
- Mechanical engineers
- Meteorologists
- Medical specialists
- Psychologists
- Physicists
- Process engineers
- Material engineers
- Economists

70% of all employees work in the technical domain.

More than 2/3 of these are graduate engineers, and the rest are master craftsmen or technicians.

At the Service of Customers across
the Globe

„Always: Better. Closer. More.“

Our complete service portfolio is at your disposal all over the world:

EU Europe:

Denmark, Estonia, Finland, Great Britain, Greece, Italy, Latvia, Lithuania, Netherlands, Poland, Sweden, Slovakia, Spain, Czech Republic, Hungary

Rest of Europe:

Bulgaria, Croatia, Romania, Serbia & Montenegro, Turkey

CIS States:

Kazakhstan, Russia, Ukraine

America:

Brazil, USA

Asia:

China (Hong Kong / Taiwan), India, Indonesia, Iran, Korea, Malaysia, Taiwan, Saudi Arabia, **Pakistan**, Thailand, United Arab Emirates, Vietnam.

Other international involvements are planned.

In all the TÜV NORD Group operates in more than 70 countries throughout the world.



Mobility

enjoying mobility safely

- Vehicle inspections and appraisals
- Driving licence examinations
- Tests and type testing for the automotive industry
- Consulting during developmental phases of new models
- Homologations
- Consultancy for vehicle fleets
- Driver aptitude testing
- Advice for and rehabilitation of motorists convicted of drink-driving offences



Certification ready for all markets

Product certification

- **Technical equipment**
- **Machines**
- **Lifts**
- **Explosion-proof devices**
- **Biotechnological safety**
- **Consumer goods**
- **Medical products**
- **Pressure equipment**

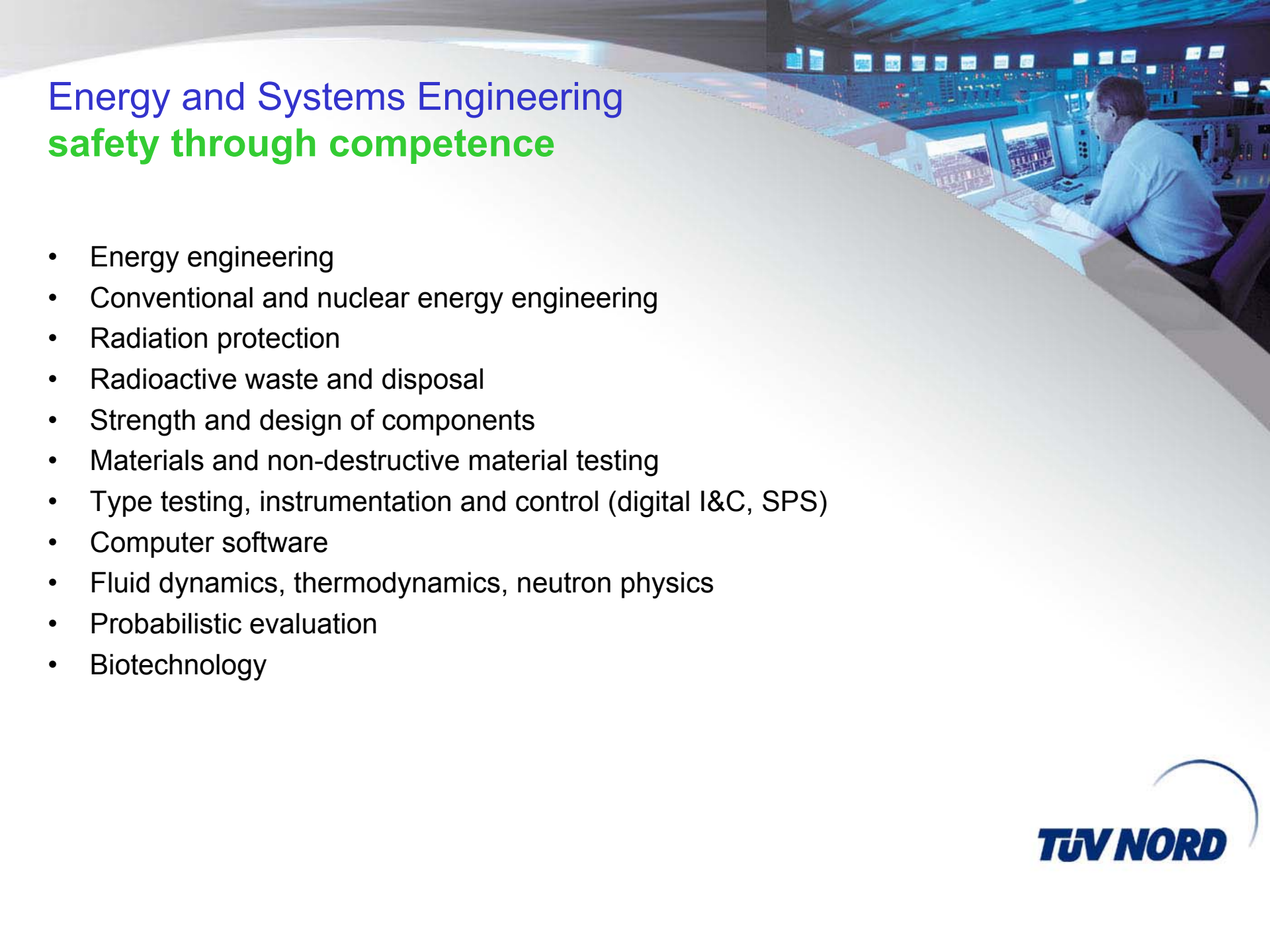
Personnel certification

System certification

- **Quality management systems**
- **Environmental management systems**
- **Management systems for the aerospace and aviation industry**
- **Occupational safety and health management systems**
- **Management systems for foodstuffs, animal feed, the automotive sector, health**
- **IT certifications**

Systems geared for success

- Systems engineering
- Testing in
 - pressure equipment and systems engineering
 - electrical/instrumentation & control systems and explosion prevention
 - material handling technology
 - tank installations
 - materials technology
- Plant Safety Ordinance
- Appraisals
- Industrial consultancy
 - holistic service for industrial facilities
- Environmental protection
- Occupational safety and health
- Fire safety



Energy and Systems Engineering safety through competence

- Energy engineering
- Conventional and nuclear energy engineering
- Radiation protection
- Radioactive waste and disposal
- Strength and design of components
- Materials and non-destructive material testing
- Type testing, instrumentation and control (digital I&C, SPS)
- Computer software
- Fluid dynamics, thermodynamics, neutron physics
- Probabilistic evaluation
- Biotechnology

Training and Human Resources **knowledge brings safety**

Academy

Seminars, courses and trainings
on:

- company management
- quality assurance
- technical safety
- environmental protection
- occupational safety and health
- occupational medicine
- logistics
- assisted measures

Services relating to:

- occupational safety and health
- occupational medicine
- driving licence advice



EMS – ISO 14000 : 2004

- New regulations that require environmental management have been implemented in our country.
- All organizations must investigate their environmental performance and demonstrate improvement.
- It is now a challenge for all organizations to develop and implement systems to manage quality, environment, health & safety, etc. and to ensure that these systems are maintained and demonstrating improvement.

Aspects for Industry:

- air
- water
- water usage
- natural resources usage
- hazardous substances
- waste management
- noise
- community concerns
- wildlife & habitat
- accidents & emergencies
- planning issues

Global Environmental Issues

- Depletion of ozone layer
- Global warming
- Air / Water pollution
- Depletion of natural resources
- Quality of life

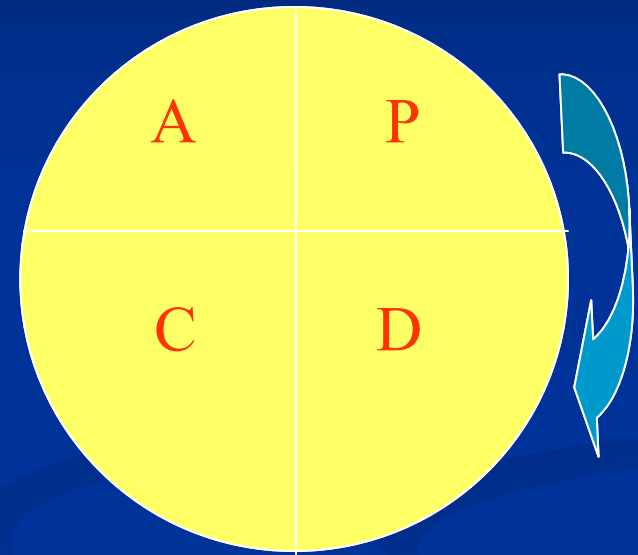
Occupational Health & Safety OHSAS 18001

- **New regulations that require health & safety management are to be implemented in Pakistan.**
- **All organizations must investigate their health & safety performance and demonstrate improvement.**
- **It is now a challenge for all organizations to develop and implement systems to manage quality, environment, health & safety, etc. and to ensure that the systems are maintained and demonstrating improvement.**

- **OHSAS 18001 is simply a tool to help organizations to develop sensible systems to ensure proper control and management of occupational health & safety activities.**
- **We investigate and Certify that the elements of the new standard are implemented to ensure that the number of accidents and incidents on-site at your organization are reduced.**

4.1 This is based on the dynamic cyclical process of:

- ✓ **Plan.**
- ✓ **Do.**
- ✓ **Check.**
- ✓ **Act.**



PDCA Cycle

We enable organization to;







TUV NORD Pakistan

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Thank you
for your interest

