TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

OFFICIAL DIGITAL BROCHURE

TESC 2026
× TechONE ASHGABAT 2026

SCIENCE. TECHNOLOGY. PARTNERSHIP.

TURKMEN ENERGY SCIENTIFIC CONFERENCE

14–15 DECEMBER 2026 | ASHGABAT, TURKMENISTAN

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

WELCOME

WHERE SCIENCE MEETS OPERATIONAL IMPACT

TESC 2026 and PETRONAS TechONE ASHGABAT 2026 bring together national energy institutions, international operators, research organisations and technology providers for two days of practical scientific and technical dialogue.

THE SCIENTIFIC PLATFORM

Research, policy, applied engineering and talent development.

THE TECHNOLOGY EXPERIENCE

Proven solutions, demonstrations and deployment pathways.

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

WHY ATTEND

ONE PLATFORM. SHARED AMBITION.

SEE

Technologies with demonstrated operational results

SOLVE

Priority production and asset challenges

CONNECT

Operators, scientists, technology owners and contractors

DELIVER

Partnerships, knowledge transfer and next steps

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

TECHNOLOGY FRAMEWORK

THREE STREAMS. FROM PROOF TO PROGRESS.

01 PROVE

Technology Showcase

Proven technologies, case studies and live demonstrations.

02 DISCOVER

Technology Scouting

Connect industry challenges with market-ready solutions.

03 CATALYSE

Ecosystem Catalyst

Build shared demand, collaboration and deployment pathways.

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

CORE SCIENTIFIC THEMES

THE ISSUES SHAPING ENERGY PERFORMANCE

01 Applied energy research & technology transfer	02 Digital transformation, AI & intelligent operations
03 Advanced drilling and well construction	04 Production optimisation and mature fields
05 Asset integrity, flow assurance & safety	06 Methane measurement, monitoring & reduction
07 Emissions efficiency and lower-carbon operations	08 Workforce skills and young professionals

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

PROGRAMME AT A GLANCE

THREE DAYS OF CONNECTION

13 DEC

PRE-FORUM

City experience and cultural programme

Registration at Olympia Hotel

Welcome dinner and networking

14 DEC

OPENING DAY

Official opening and exhibition tour

CEO digital transformation roundtable

Opening plenary and TechONE sessions

Gala concert and partner dinner

15 DEC

TECHNICAL DAY

Parallel technical sessions and SPE roundtable

Scientific session and methane roundtable

Youth Energy Forum

Closing dialogue and conclusions

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

LEADERSHIP AND DIALOGUE

STRATEGY MEETS IMPLEMENTATION

CEO TECHNOLOGY ROUNDTABLE

14 DEC · 10:00–11:30

Digital Transformation and Artificial Intelligence in Energy: From Strategy to Implementation

Invitation-only executive dialogue; proposed non-binding communiqué.

OPENING PLENARY

14 DEC · 14:00–15:15

Turkmenistan's Energy Future — Advancing Science, Technology and International Partnership

Government, national energy organisations and international operators.

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

TECHONE TECHNICAL PROGRAMME

ENGINEERING SOLUTIONS IN FOCUS

ADVANCED DRILLING

14 DEC · 15:45–16:45
Main Conference Hall

PRODUCTION ENHANCEMENT

14 DEC · 15:45–16:45
Presentation Hall

ASSET INTEGRITY

15 DEC · 09:30–11:00
Main Conference Hall

DIGITAL & AI OPERATIONS

15 DEC · 09:30–11:00
Presentation Hall

EMISSIONS & EFFICIENCY

15 DEC · 11:30–12:30
Presentation Hall

APPLIED WELL TECHNOLOGY

15 DEC · 14:30–15:45
Main Conference Hall

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

RESEARCH AND COLLABORATION

FROM RESEARCH TO REALITY

SCIENTIFIC SESSION

15 DEC · 11:30–12:30

Advancing Applied Energy Science and Technology

Research institutions, universities, national operators and technical experts.

SPE TECHNICAL ROUNDTABLE

15 DEC · 09:30–11:00

Maximizing Production from Mature Oil & Gas Fields

Reservoir management, revitalisation, artificial lift and recovery techniques.

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

ENVIRONMENT AND TALENT

LOWER EMISSIONS. STRONGER CAPABILITIES.

METHANE ROUNDTABLE

15 DEC · 14:15–15:45

International Cooperation, Technology and Practical Solutions

Measurement, satellite monitoring, leak detection, reporting and technical assistance.

YOUTH ENERGY FORUM

15 DEC · 14:15–15:30

Student Innovation Challenge

University–industry collaboration, mentorship, applied research and emerging technical talent.

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

TECHNOLOGY EXHIBITION

EXPERIENCE TECHNOLOGY. MAKE CONNECTIONS.

TECHNOLOGY SHOWCASE

PETRONAS-led technology experience alongside selected exhibitors and contractor solutions.

Live demonstrations · Technical exchanges · Technology scouting

STRUCTURED ENGAGEMENT

B2B/B2G meetings and focused technical conversations.

Exhibition participation and booth requirements are confirmed separately.

WHO SHOULD ATTEND

A FOCUSED INTERNATIONAL COMMUNITY

- National energy organisations
- International operators
- Technology and equipment providers
- Oilfield and engineering services
- Scientific research institutions
- Universities and academics
- Technical specialists and SPE members
- Young professionals and students
- Relevant authorities and industry stakeholders

TESC 2026
TURKMEN ENERGY SCIENTIFIC CONFERENCE
Science • Technology • Partnership

TechONE
ASHGABAT 2026
by PETRONAS

VENUE AND DELEGATE JOURNEY

ONE CONNECTED TECHNOLOGY CAMPUS



VENUE

Scientific Research Institute of Natural Gas
State Concern "Turkmengas"
Ashgabat, Turkmenistan
Plenary · Breakouts · Roundtables · Technology showcase

PLAN YOUR VISIT

1. Register interest or receive invitation
2. Obtain participation confirmation
3. Complete visa-support requirements
4. Confirm travel and accommodation
5. Collect accreditation and attend

TESC 2026

TURKMEN ENERGY SCIENTIFIC CONFERENCE

Science • Technology • Partnership

TechONE

ASHGABAT 2026

by PETRONAS

JOIN US IN ASHGABAT

TURN KNOWLEDGE INTO IMPACT.



14–15 December 2026 · Ashgabat, Turkmenistan

www.tesc-turkmenistan.com