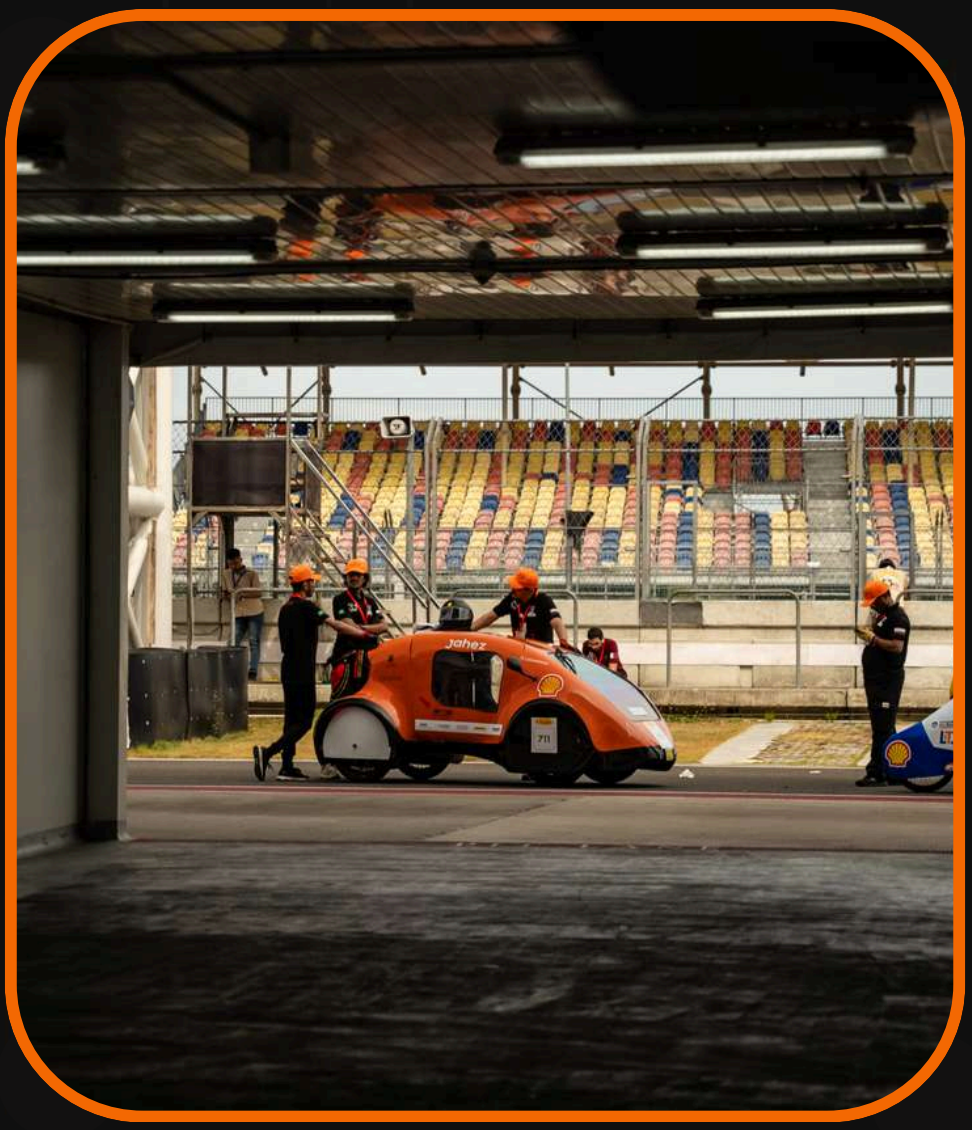
جامعة الأمير سلطان
PRINCE SULTAN UNIVERSITY
تأسست بتوجيه ومتابعة الملك سلمان بن عبدالعزيز
1998

PSU ECO TEAM



PSU ECO TEAM

Hyper-Efficient Electric Vehicles

"Engineering the Future of Sustainable Mobility"

WHO WE ARE

The Flagship Project of the PSU Industry 4.0 Club

PSU Eco Team is the sustainable mobility and vehicle engineering team operating under the Industry 4.0 Club at Prince Sultan University. The team brings together students from multiple disciplines to design, manufacture, and optimize advanced vehicle technologies.

INNOVATION ECOSYSTEM

Operating within a broader hub for advanced manufacturing, digital transformation, and robotics.

HANDS-ON INNOVATION

Developing practical skills in design, engineering, AI, and emerging technologies through real-world projects.

MULTIDISCIPLINARY TALENT

Uniting top engineering talent to solve complex mobility challenges using smart manufacturing techniques.

PRODUCT DEVELOPMENT CENTER - PSU

OUR JOURNEY

A Proven Track Record of Engineering Progress

2019

PROTOTYPE VEHICLE

Initial entry into energy-efficient racing competitions.

2023

URBAN CONCEPT EV

Transition to utility-focused electric vehicle platforms.

2024

5TH PLACE IN ASIA

As well as 1st in the Middle East and becoming the regional benchmark.

2025

DUAL VEHICLE PROGRAM

Expanding technical horizons and participating wth two vehicles.

2026

VEHICLE OPTIMIZATION

Competing with two vehicles once again and improving our efficiency results by around 30%.

2027

INNOVATION PROGRAMS

Launching next-gen mobility and autonomous initiatives.

2026 SEASON

Optimizing Performance at the Shell Eco-marathon Qatar

GLOBAL PARTICIPATION

Competing against the world's most efficient vehicles in the prestigious Shell Eco-marathon Qatar.

VEHICLE DEVELOPMENT

Iterative design cycles focused on extreme energy conservation and aerodynamic refinement.

DIGITAL TWIN OPTIMIZATION

Leveraging virtual models to simulate track conditions and optimize vehicle performance before deployment.

LESSONS LEARNED

Converting real-world track experience into future engineering breakthroughs and Industry 4.0 innovations.

2027 FLAGSHIP PROJECT

NEXT-GENERATION URBAN CONCEPT VEHICLE

Redefining Efficiency Through Ground-Up Engineering

GROUND-UP REDESIGN

A completely new chassis and body platform optimized for the 2027 competition cycle.

ADVANCED AERODYNAMICS

CFD-driven body geometry designed to minimize drag and maximize energy conservation.

ULTRA-LIGHTWEIGHT

Extensive use of carbon fiber and advanced composites to reduce total vehicle mass.

ADVANCED MANUFACTURING

Integration of 3D-printed structural components and precision CNC machining.

RESEARCH & DEVELOPMENT

JOULEMETER DEVELOPMENT PROJECT

Advancing high-precision energy measurement and real-time telemetry systems for peak vehicle efficiency.

HIGH-PRECISION MEASUREMENT

Real-time tracking of energy consumption with millijoule accuracy to identify efficiency gains.

TELEMETRY SYSTEMS

Wireless data transmission protocols for live trackside diagnostics and performance monitoring.

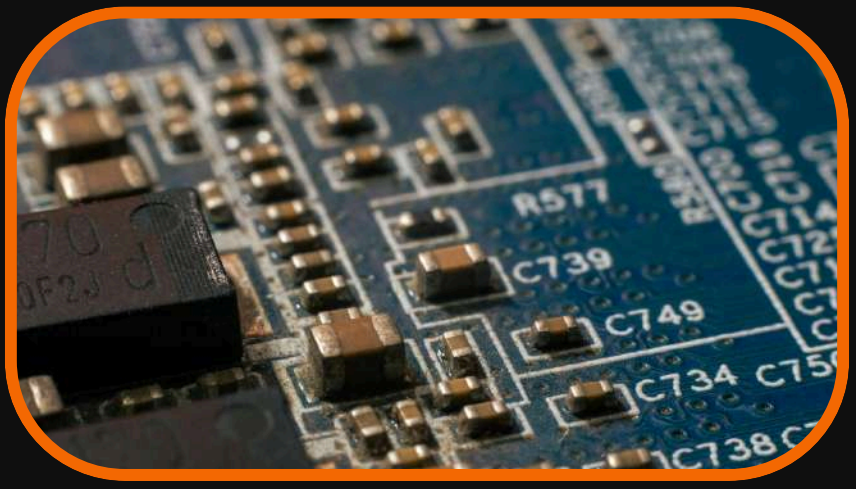
DATA LOGGING

High-frequency capture of critical performance metrics for post-run engineering analysis.

PERFORMANCE DIAGNOSTICS

Automated identification of energy bottlenecks within the vehicle's electrical powertrain.

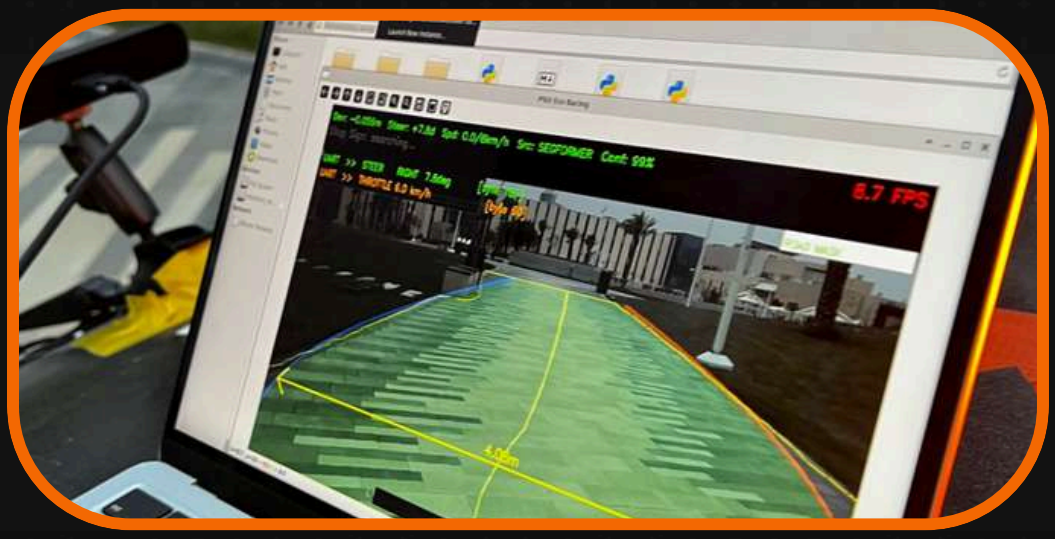
PSU ECO TEAM | R&D DIVISION



AUTONOMOUS PROGRAM

Intelligent Systems for Future Mobility

The autonomous vehicle initiative represents a natural extension of PSU Eco Team's focus on artificial intelligence, automation, and intelligent systems.



COMPUTER VISION

Real-time environment perception and object detection using advanced neural networks.

SENSOR FUSION

Combining LiDAR, Radar, and Camera data for high-fidelity spatial awareness.

ARTIFICIAL INTELLIGENCE

Advanced path planning and decision-making algorithms for complex urban scenarios.

AUTONOMOUS NAVIGATION

Precision control and localization in dynamic and GPS-denied environments.

VEHICLE CONTROL SYSTEMS

Seamless integration of software intelligence with hardware actuation for safe and efficient vehicle dynamics.

ENGINEERING CAPABILITIES

Professional Excellence Across All Disciplines

MECHANICAL ENGINEERING

Advanced chassis design, suspension kinematics, and high-performance aerodynamic bodywork development.

ELECTRICAL ENGINEERING

Custom power electronics, high-efficiency battery management systems, and precision sensor integration.

MANUFACTURING & TESTING

Precision fabrication using CNC machining, 3D printing, and validation protocols.

RESEARCH & INNOVATION

Pushing boundaries through CFD analysis, telemetry data science, and future mobility concept studies.

2027 ROADMAP

From Conceptual Design to Global Competition

QUARTER 01

RESEARCH & DESIGN

Conceptualization, CAD modeling, and CFD simulations for the next-generation Urban Concept vehicle.

QUARTER 02

MANUFACTURING

Chassis fabrication, bodywork layup, and precision component manufacturing using advanced materials.

QUARTER 03

INTEGRATION & TESTING

Powertrain integration, electrical systems validation, and extensive track-side performance testing.

QUARTER 04

OPTIMIZATION & RACE

Final performance tuning, telemetry calibration, and execution at the Shell Eco-marathon competition.

WHY PARTNER WITH US

Aligning Innovation with Strategic Corporate Goals

INNOVATION PLATFORM

Gain direct access to cutting-edge mobility research and technical breakthroughs in energy efficiency and digital transformation.

TALENT DEVELOPMENT

Establish a direct pipeline to top-tier engineering graduates skilled in Industry 4.0 technologies and multidisciplinary problem solving.

BRAND EXPOSURE

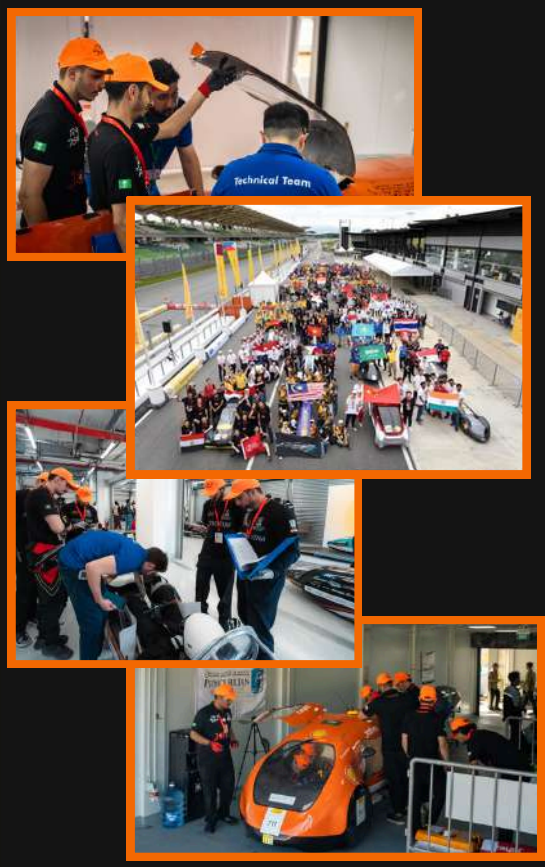
Maximize corporate visibility at major international competitions and high-profile engineering events across the region.

VISION 2030 ALIGNMENT

Support Saudi Arabia's transition to a sustainable, knowledge-based economy through advanced engineering and future mobility.

INDUSTRY 4.0 ECOSYSTEM

By partnering with PSU Eco Team, sponsors gain visibility within Prince Sultan University's broader Industry 4.0 ecosystem, connecting their brand to innovation, advanced manufacturing, and AI.



STRATEGIC PARTNERSHIP
INDUSTRIAL COLLABORATION
FUTURE MOBILITY HUB

SPONSORSHIP BENEFITS

High-Impact Visibility and Strategic Value

VEHICLE BRANDING

Prominent logo placement on our award-winning vehicles.

TEAM APPAREL

Corporate presence on official team gear and uniforms.

SOCIAL MEDIA

Strategic exposure across our digital platforms and networks.

MEDIA CONTENT

Professional photography and video for your corporate use.

DOCUMENTARIES

Features in our season documentaries and technical vlogs.

TECHNICAL DEMOS

Live demonstrations of innovative mobility technologies.

EVENT PRESENCE

Showcase the vehicle at your corporate and public events.

PRODUCT INTEGRATION

Direct integration of your technology into our vehicle systems.

OUR VALUED PARTNERS

jahez

SHELL KSA

OUR VALUED PARTNERS

PSDSARC

LEONARDO


مشاريع السعودية
@SaudiProject
Follow
شركة شل السعودية @Shell_KSA تتعاون مع عدة جامعات سعودية لدعم مشاركة الفرق السعودية في #ماراثون_شل_البيئي لموسم 2024 في إندونيسيا، بهدف صناعة مركبات خاصة عالية الكفاءة في استهلاك الطاقة واستكشاف جوانب التصميم والتكنولوجيا
للتفاصيل:
shellecomarathon.com
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Shell KSA
@Shell_KSA
ألف مبروك لفرقنا السعودية!
جامعة الأمير سلطان: تحتل المركز الأول في الشرق الأوسط والخامسة في فئتها!
جامعة الفيصل: اجتازوا الفحص الفني وأكملوا ٤ جولات
جامعة الملك سعود: اجتازوا الفحص الفني واختبارات السلامة
أنتم فخر المملكة، نراكم #ماراثون_شل_البيئي في قطر ٢٠٢٥!
Translate post
جامعة الأمير سلطان and 3 others


Jahez

PSU ECO TEAM 2024 – INDONESIA

AWARD WINNING SHORT DOCUMENTARY FILM

In December 2024, the PSU Eco Team was honored with the Best Documentary Film award at the prestigious **King Abdulaziz Student Film Festival.** The film captures the inspiring journey of our team's participation in the Shell Eco-marathon 2024, highlighting the challenges faced, the innovative solutions developed, and the remarkable achievements. Produced entirely by the team during the trip, the documentary reflects our passion, dedication, and commitment to excellence in sustainable engineering and storytelling.

CLICK HERE TO WATCH

PSU ECO TEAM 2025 - QATAR

The journey of building two different vehicles from scratch within 6 months

CLICK HERE TO WATCH

CHECK OUT THE STORY OF PSU ECO TEAMS JOURNY IN 2023

CLICK HERE TO WATCH

TITLE SPONSOR

CONTINUOUS BRAND VISIBILITY
BRANDING ON GEAR
CAR LOGO PLACEMENT
TEAM APPAREL
SPONSOR AD (30-SECOND COMMERCIAL)
SHORT FORM REELS (6 REELS)
PROFESSIONAL PHOTOS (30 PHOTOS)
MEDIA BRANDING
EVENT DISPLAY
INTERVIEW BRANDING
SOCIAL MEDIA PROMOTION
SPONSORSHIP SUCCESS ARTICLES
TEAM INTERVIEWS (3 INTERVIEWS)
PRODUCT INTEGRATION
NETWORKING OPPORTUNITIES

PRIMARY SPONSOR

CONTINUOUS BRAND VISIBILITY
BRANDING ON GEAR (SMALLER LOGO SIZE)
TEAM APPAREL
SPONSOR AD (15-SECOND COMMERCIAL)
SHORT FORM REELS (3 REELS)
PROFESSIONAL PHOTOS (15 PHOTOS)
MEDIA BRANDING
SOCIAL MEDIA PROMOTION
PRODUCT INTEGRATION
NETWORKING OPPORTUNITIES

SECONDARY SPONSOR

CONTINUOUS BRAND VISIBILITY
TEAM APPAREL
SOCIAL MEDIA PROMOTION
NETWORKING OPPORTUNITIES

CONTACT US FOR ADDITIONAL DETAILS

PSU ECO TEAM

BUILD THE FUTURE WITH US

PSU Eco Team is more than a competition team. We are a flagship project within a broader innovation ecosystem. Partner with us to help shape the next generation of engineers and Industry 4.0 technologies.

Contact Us!

+966 50 890 0704

VISONTEAM@PSU.EDU.SA

PRINCE SULTAN UNIVERSITY
INDUSTRY 4.0 CLUB

Driving Innovation. Inspiring the Future

psueteam @psueteam @psueteam