



Fisuel Seminar – 15-16 of October 2025

Dakar – Senegal

Title

Content

Focus on electrification of mobility & safety standards

–Regulatory Outlook

- ARSO harmonization process under way
- Need for marine standards (electric boats not yet covered)
- Integration of recycling and 2nd-life batteries into law
- Jokosun shares field data to support policy design

–Technical Challenges Ahead

- Few certified labs for vibration/IP tests in Africa
- Lack of standards for low-voltage marine propulsion
- No defined framework for end-of-life batteries
- Need for standardized solar charging mini-grids

Jokosun's Field Contribution

- 3 operational hubs in Ndangane, Somone, Ziguinchor
- Over 10 electric pirogues under telemetry supervision
- Partnership with manufacturers for modular, connected batteries
- Local mechanic training programs for electric systems

Technical Recommendations

- Battery: IP67+, BMS, fuse <150A near battery, cable IEC 60364-5-52
- Motor: insulation $\geq 500V$, marine connectors, thermal sensors
- Maintenance: biannual inspection, remote data monitoring
- Training: Operator / Installer / Technician levels

Vision & Closing Message

- Africa can leapfrog to a safe, standardized, and connected e-mobility model
- Jokosun demonstrates technical feasibility and reliability
- FISUEL's role: make safety and quality the foundation of this transition

Closing Seminar

MERCI - THANKS

