

SF6 Management Philosophy & Future Challenges

16/01/25

SF6 Management Philosophy

Management of installed fleet

- ❑ **Monitoring** - Installing online density monitors
 - Targeted intervention.
- ❑ **Response** - Focus to repair leaks detected is as soon as possible
 - OEM site support essential
- ❑ **Targeted Repair and Replacement** - asset condition and leakage focused.
 - Equipment 'reworks' where OEM can support
 - gaskets, seals, known failure points, etc.
- ❑ **Leakage mitigation** - reviewing solutions which
 - Reduce likelihood of leakage
 - Mitigate impact of leaks detected
 - Effective Options for temp repairs

New Installations

- ❑ **Transmission**
 - SF6 free equipment where technical requirements can be met and equipment is market available.
 - Exploring carbon lifecycle analysis tools.
- ❑ **Distribution**
 - Pilot install of Lucy Sabre EcoTec is now live.
 - Schneider Ringmaster AirSet - Assessment & development ongoing.

Other Initiatives

- ❑ **Retrofill** - of existing SF6 filled assets
 - Exploring commercial solutions
 - "SF6 Retrofill" project for T155-3 model in collaboration with GE
 - Prototype testing before commercial development
- ❑ **Lifecycle Management**
 - Possibility of recycling SF6 from decommissioning assets
 - Reuse of SF6 for top ups
 - "Lifecycle Management of SF6" Innovation Project

