Challenge Areas for Startups or MSEs Category

1. Contact Less Power Transfer using Resonant Coils in Underwater
2. Energy Autonomy for Autonomous Surface Platform
3. Ensuring Data Privacy using Searchable Symmetric Encryption
4. Fire Fighting Helper Robots
5. Metamaterials based Cloak for Evading Detection/Recognition
6. Optical Beam Forming Network for Active Phased Array Applications
7. Pilot Safety for Helicopter Related Emergency Situation
8. Quantum Sensing and its Application for Magnetic Mass and Radar
9. Use of Virtual Machines in Cyber Security
10. Open Challenge: Exploring the Unthinkable and Unimaginable