

TASS - Transformer Auto Stop Start Project Deliverables

Project Deliverables - SDRCs

Five companion SDRCs detail the development & trial of TASS technology:

➔ site visits welcome

9.4 - Initial Learning from Trial Installation & Integration

comprehensive information on the technology developed, its integration with existing network assets, and the operational principles designed into the scheme

9.5 - Monitoring & Analysis

an appraisal of the techniques used to monitor the trial sites, and analysis of the data acquired to evaluate any potential asset health or power quality implications associated with TASS, and verify that the system operates as designed

9.6 - Site Performance to Date

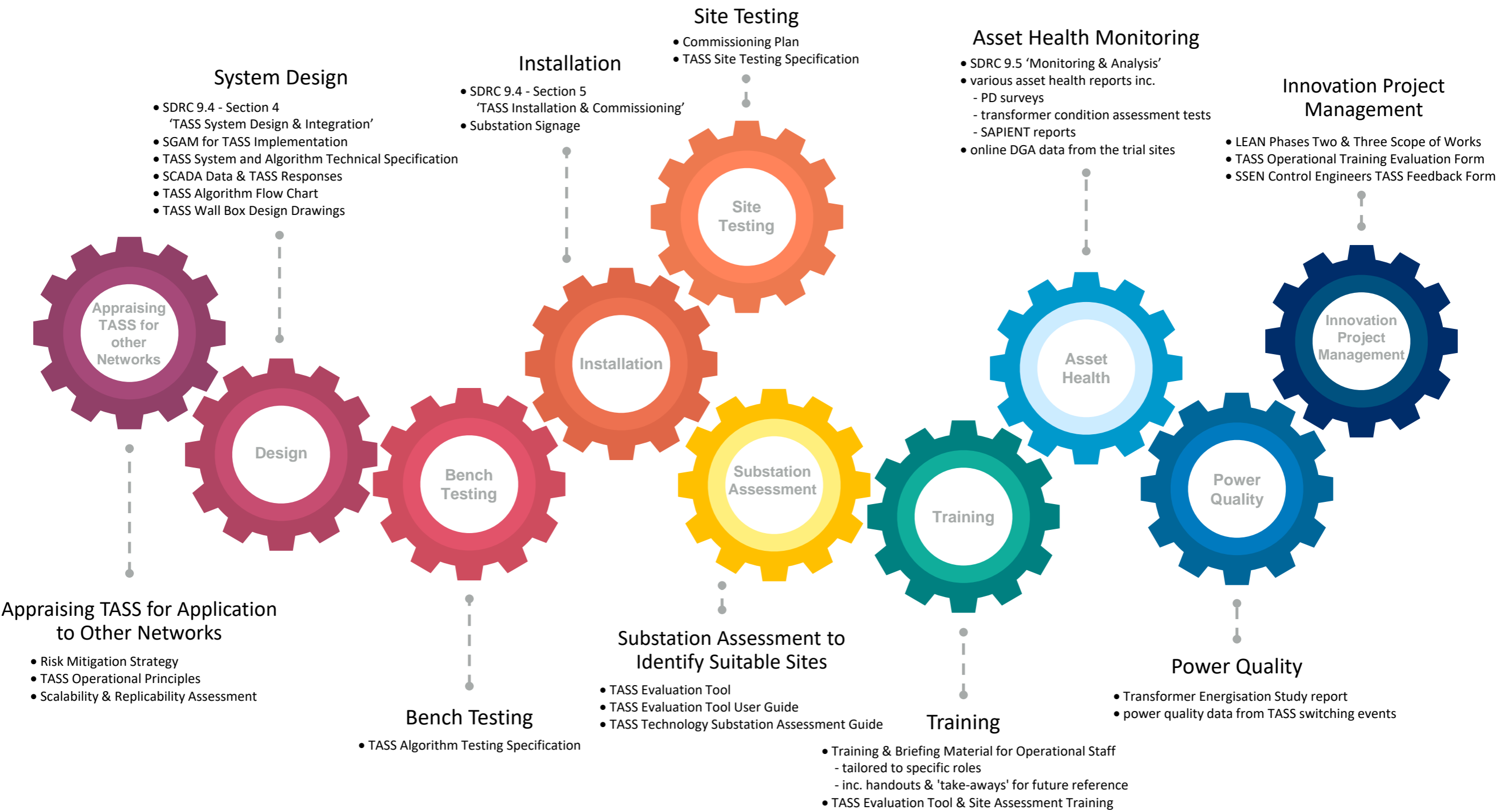
a full review of the losses savings achieved through TASS, and evaluation of the benefits of the technology and costs of deployment to refine the business case

9.7 - Network Losses Evaluation Tool

the enhanced CBA tool created to assess the benefits of TASS, with a detailed description of the substation assessment process used to assess the financial viability and technical feasibility of applying the technology on a site by site basis

9.8 - Knowledge & Dissemination

the project closedown report, including a detailed review of the scalability & replicability of the system as a guide for wider deployment across other network areas



System Design

- SDRC 9.4 - Section 4 'TASS System Design & Integration'
- SGAM for TASS Implementation
- TASS System and Algorithm Technical Specification
- SCADA Data & TASS Responses
- TASS Algorithm Flow Chart
- TASS Wall Box Design Drawings

Installation

- SDRC 9.4 - Section 5 'TASS Installation & Commissioning'
- Substation Signage

Site Testing

- Commissioning Plan
- TASS Site Testing Specification

Asset Health Monitoring

- SDRC 9.5 'Monitoring & Analysis'
- various asset health reports inc.
 - PD surveys
 - transformer condition assessment tests
 - SAPIENT reports
- online DGA data from the trial sites

Innovation Project Management

- LEAN Phases Two & Three Scope of Works
- TASS Operational Training Evaluation Form
- SSEN Control Engineers TASS Feedback Form

Appraising TASS for other Networks

Design

Bench Testing

Installation

Site Testing

Substation Assessment

Training

Asset Health

Power Quality

Innovation Project Management

Appraising TASS for Application to Other Networks

- Risk Mitigation Strategy
- TASS Operational Principles
- Scalability & Replicability Assessment

Bench Testing

- TASS Algorithm Testing Specification

Substation Assessment to Identify Suitable Sites

- TASS Evaluation Tool
- TASS Evaluation Tool User Guide
- TASS Technology Substation Assessment Guide

Training

- Training & Briefing Material for Operational Staff
 - tailored to specific roles
 - inc. handouts & 'take-aways' for future reference
- TASS Evaluation Tool & Site Assessment Training

Power Quality

- Transformer Energisation Study report
- power quality data from TASS switching events