Paris Session 2022

MVAC cable condition assessment and PD measurement capability maturity model (CCA-CMM)

SC B1 Insulated Cables – PS1 - Q1

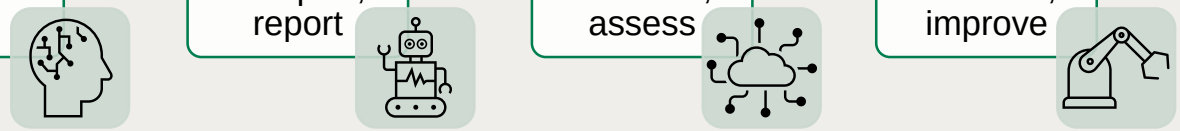
André CUPPEN, New Zealand

POWERCO

cable condition assessment - capability maturity model

Excellent	“Core”
Optimizing	“Main guidance”
Competent	“Value”
Developing	“Option”
Aware	“Interesting”

PLAN:	DO:	CHECK:	ACT:
Select cables to test	Measure, interpret, report	Analyse, combine, assess	Remeasure, maintain, improve



- Shows if your process is
  - providing value
  - results are true and actionable
  - optimal cost vs. benefit

- capability maturity assessment
  - Five maturity levels (left)
  - Four process stages (top)

CCA-CMM

MVAC cable online PD experience in New Zealand

Maturity level	Characteristic	PLAN	DO	CHECK	ACT
Excellent "Core"	Maximised integration, value				
Optimizing "Main guidance"	Reduced waste				
Competent "Value"	Clear cost & benefit	* Cables are selected proactively for condition assessment, leading to renewal plan	* Improved interpretation rules * Quality measures are clear * (Sub)contractors have approved/agreed SOPs	* Quality performance is measured and reported * Some automation of analysis	* Measurements start to influence CAPEX/OPEX programs
Developing "Option"	clear GAP analysis and capability development plan				
Aware "Interesting"					

MVAC cable PD measurement capability maturity levels

Competent “Value”	cost & benefit is clear	Formal processes, quality measures, interfaces	Technology is used effectively, with purpose

Plan	Do	Check	Act
Proactive selection, leading to renewal plan	Improved interpretation rules (Sub)contractors have approved/agreed SOPs	Measurement quality is measured and reported	CAPEX/OPEX programs are influenced by measurement results