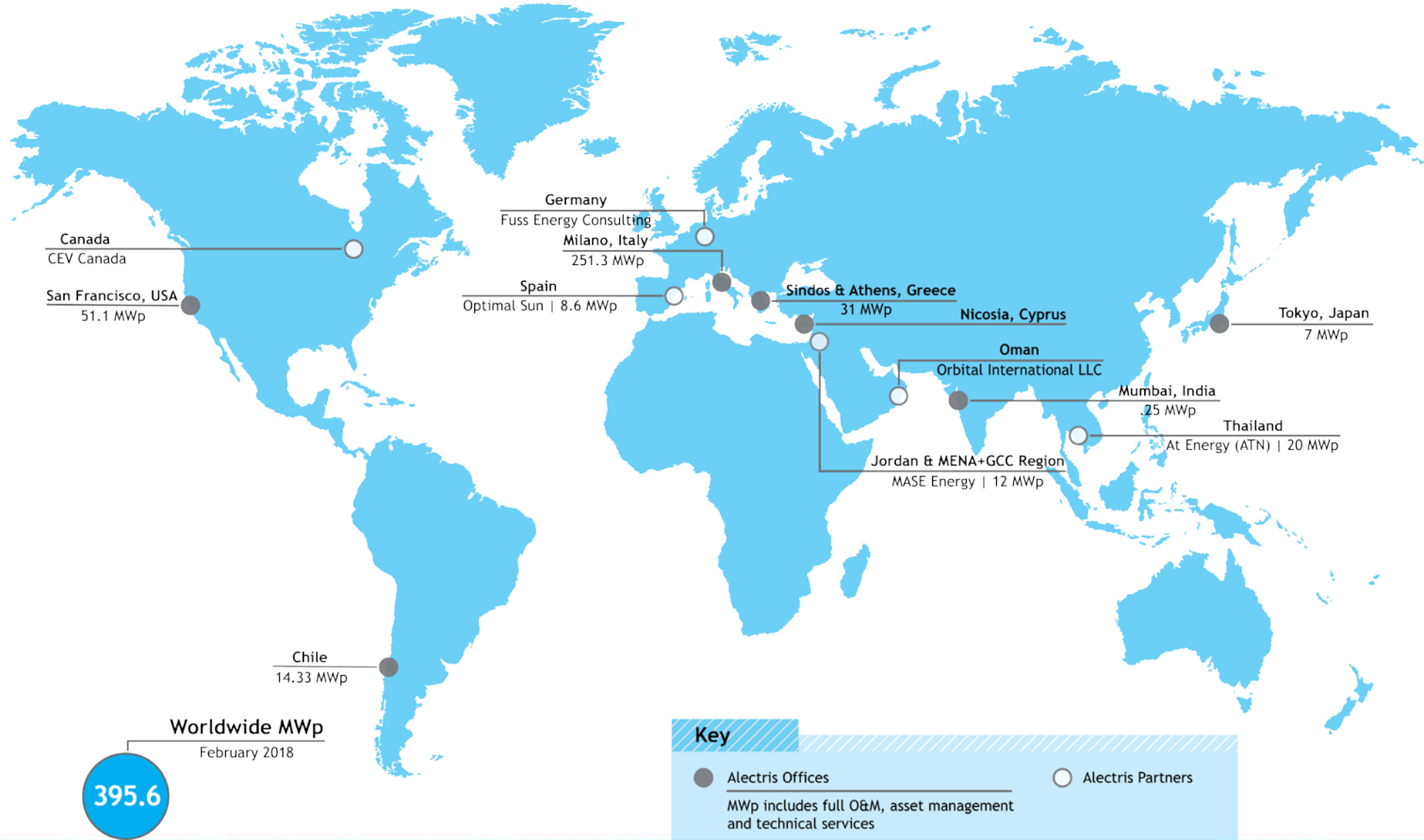


The Orange Button Developer's Conference



Need for Data Congruence
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Silos of Information

"Many asset management organizations still use Excel spreadsheets and manual processes to manage their portfolios."

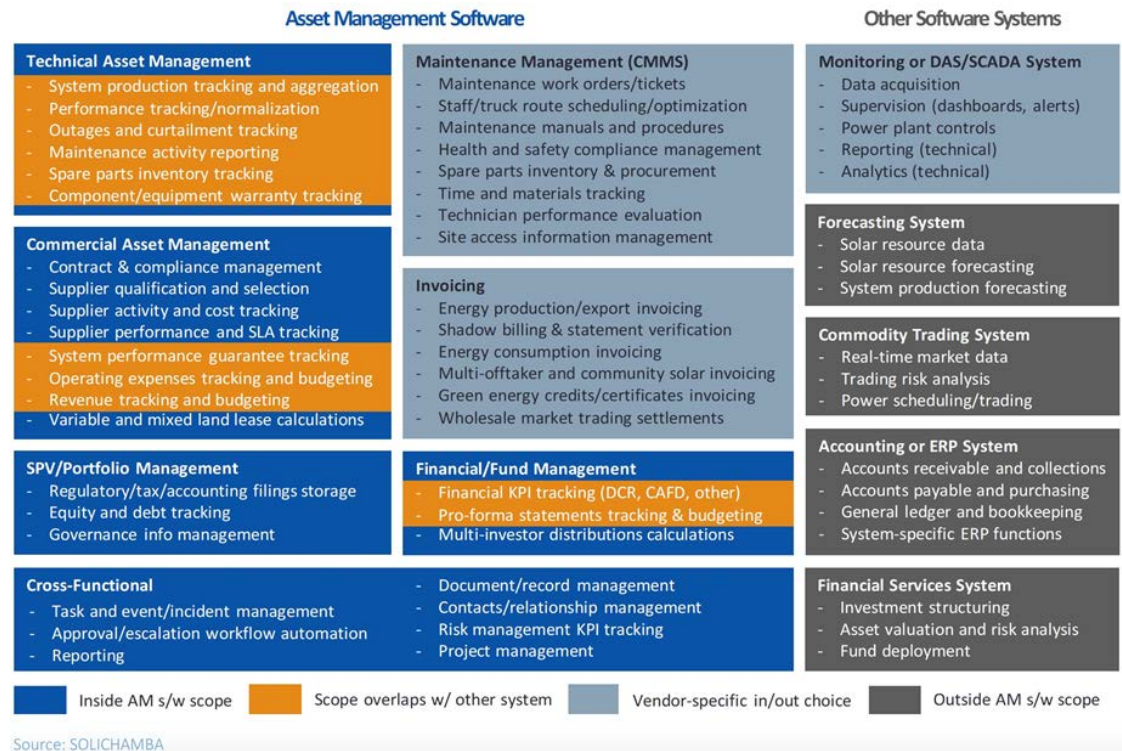
"...Asset Managers currently use more than 10 different software systems"

GTM Research
Solar PV Asset Management 2017-2022
May 2017

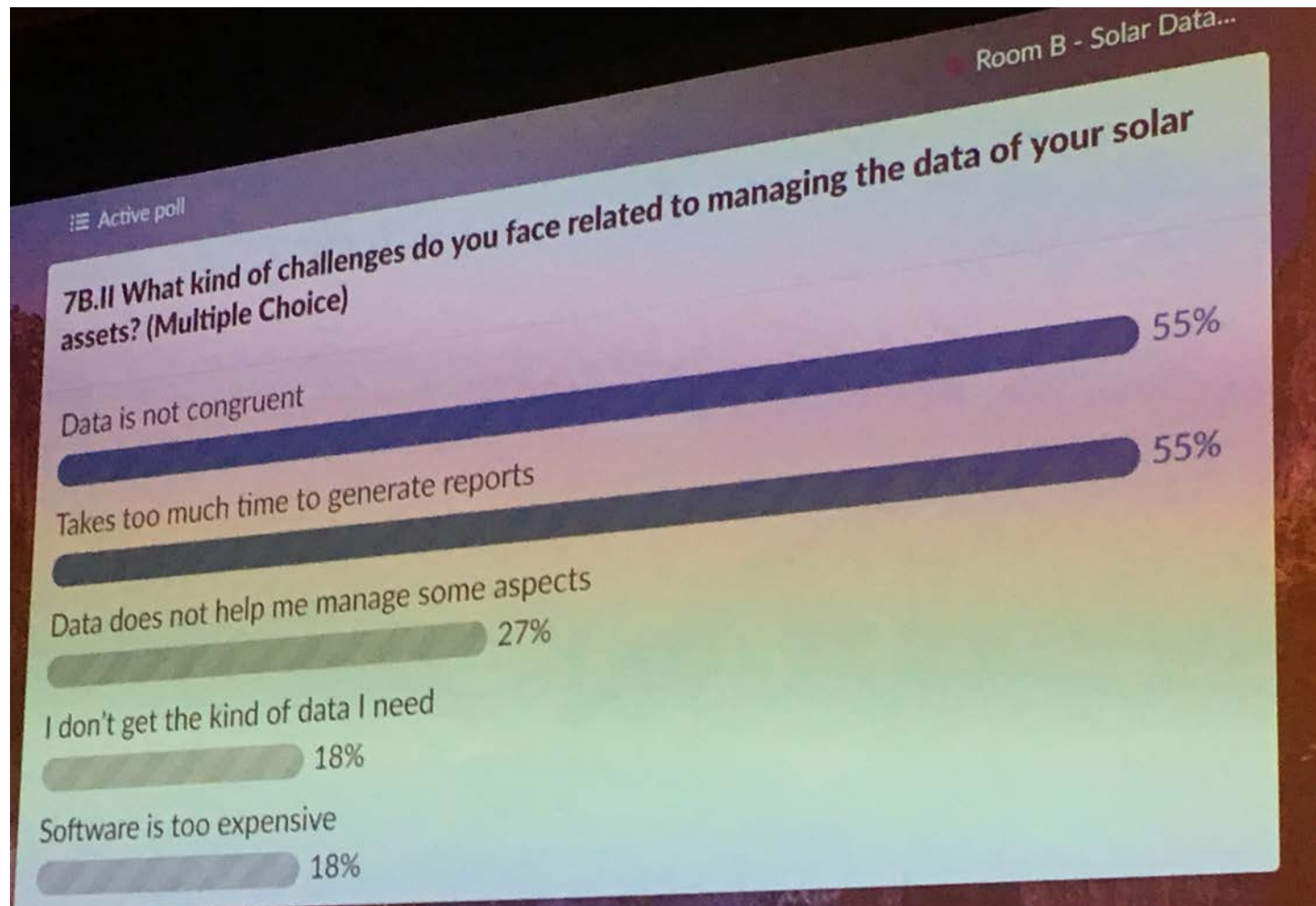
- 198 investors account for 55 GW in net operational solar PV capacity
- 46 third-party asset managers provide AM services to 17.6 GW of PV in operation
- 10 software vendors supply asset management automation solutions for 12.5 GW of PV in operation



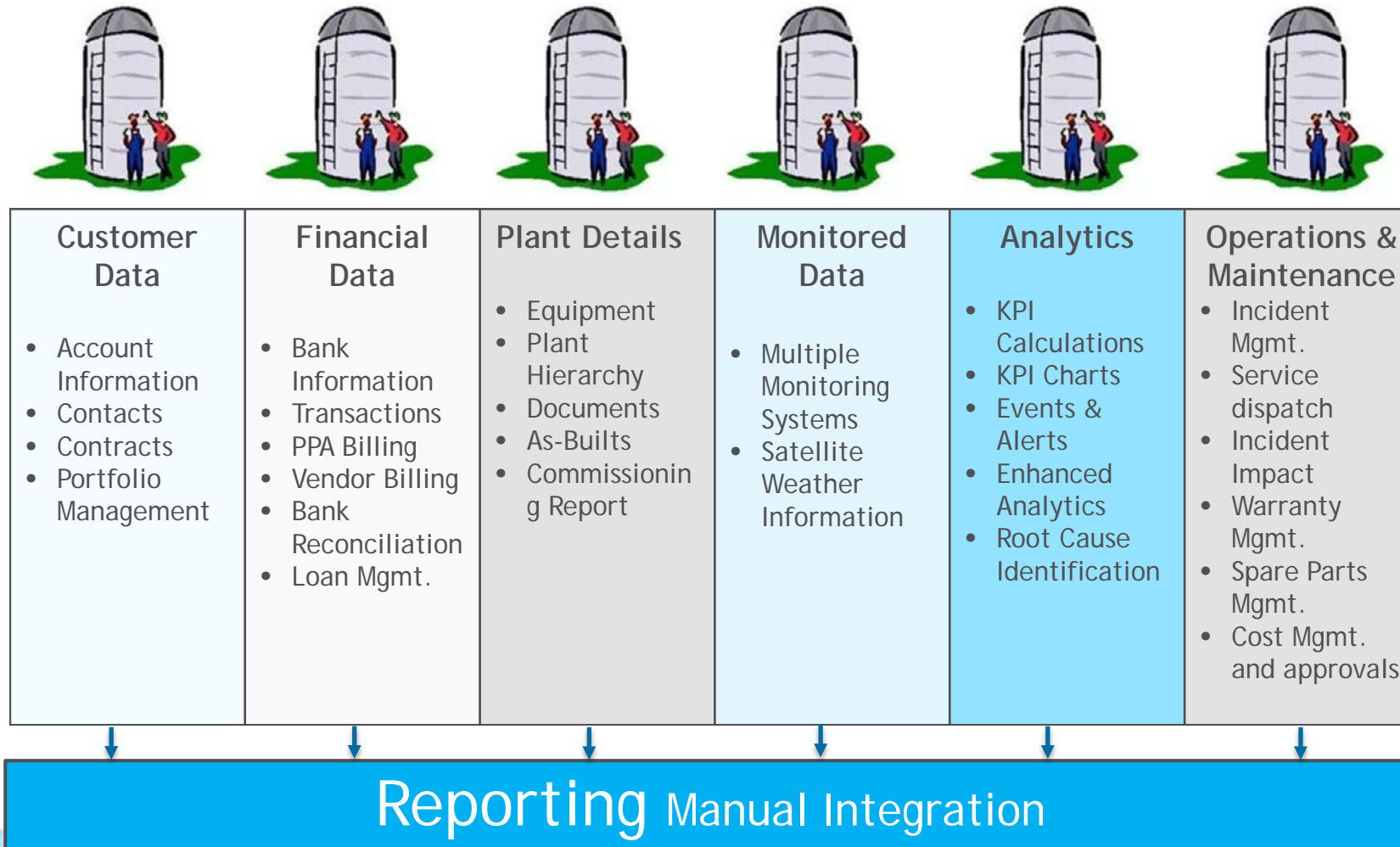
**Integration
needed!**



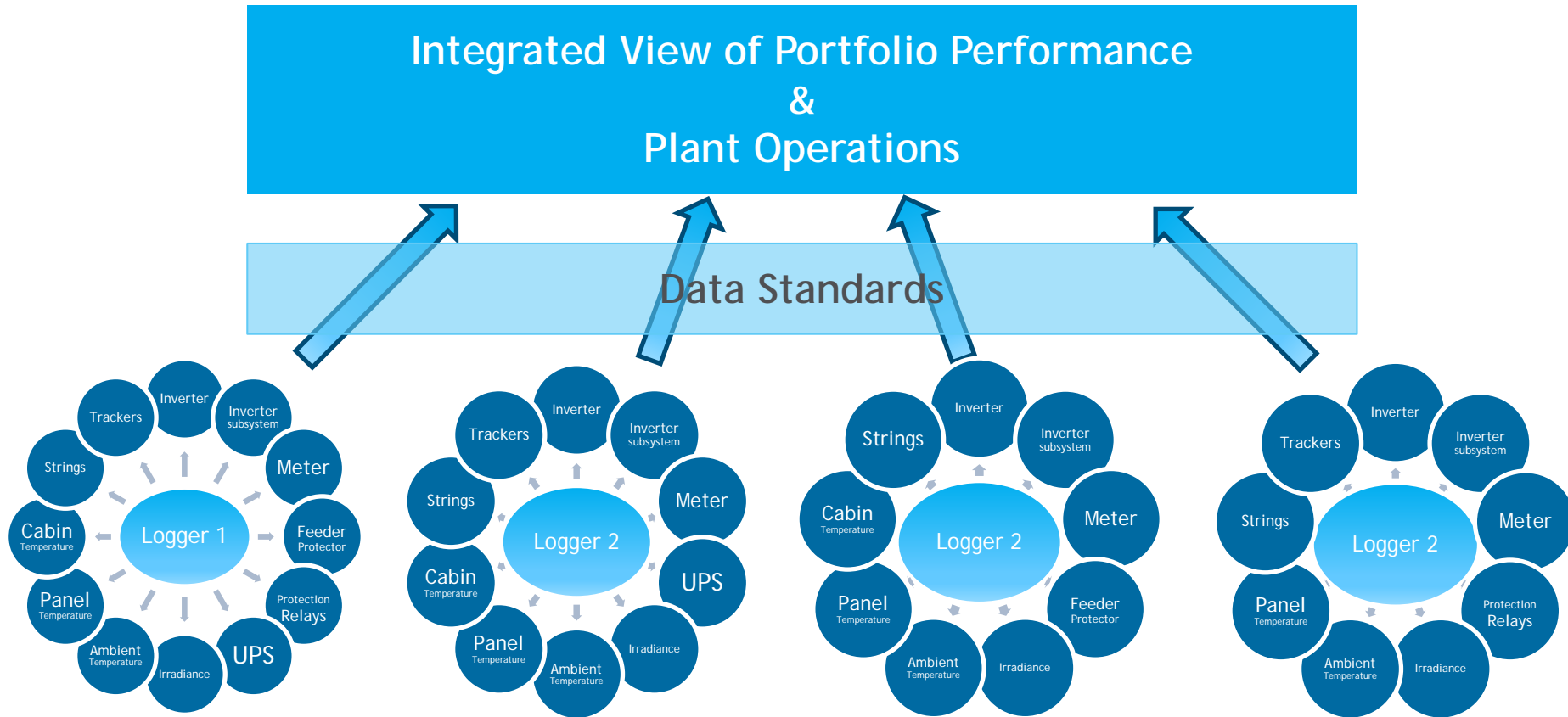
SAMNA18 Poll



Silos of Information



Portfolio of Different Data Loggers





Elements of an Integrated Software Platform

Core Features	Asset Management	Performance Monitoring	Service Management	Project Management
<ul style="list-style-type: none"> ▪ Integrated Document Management ▪ Integration with MS Outlook ▪ Detailed security management ▪ As-Built information ▪ Account / Contact management ▪ Information hierarchical structure ▪ Mass export / import functions ▪ User customizable views ▪ Microsoft intuitive user interface ▪ Workflows and processes 	<ul style="list-style-type: none"> ▪ Incident management ▪ Contract Management ▪ Owner's activities ▪ Loan management ▪ Billing ▪ PPA ▪ Financial transactions ▪ Budget ▪ Financial reporting (P&L, Cash Flow, Budget reports) ▪ Reporting Schemes configuration by the end user ▪ Base Case Scenarios ▪ Bank Reconciliation 	<ul style="list-style-type: none"> ▪ Enhanced and detailed alerting - individual strings ▪ Seasonally adjusted alerting profiles ▪ Data loggers monitoring of operation / remote management and troubleshooting ▪ 30+ predefined charts ▪ Web services for fully customized user analysis ▪ Integration with existing third party systems ▪ KPI calculation to each contract 	<ul style="list-style-type: none"> ▪ Incident handling ▪ Service Activity and dispatch ▪ Spare Parts ▪ Contract compliance ▪ Cost management and approvals ▪ Checklists ▪ Incident Impact analysis ▪ Root cause analysis and statistics ▪ Warranty management ▪ Equipment inventory with maximum detail 	<ul style="list-style-type: none"> ▪ Tasks ▪ Milestones ▪ Budget ▪ Cost and payments management ▪ Activities management

Reporting At the Click of a Button