



# KALKITECH

Technology solutions for  
the energy industry

ECH



# Executive Summary

- ▶ KalkiTech is a technology company fully dedicated to the energy sector
  - OEMs and system integrators for
  - Communication, information and automation technologies.
- ▶ KalkiTech has an impressive reference record using the latest technologies to support customers with
  - Standards-based communication protocol solutions
  - Engineering and development services for automation systems
  - Product development services for communication and data acquisition
  - Implementation and consulting services for advanced utility applications.
- ▶ KalkiTech delivers results through off-shore & near-shore teams as well as on-site teams, working on a project basis, under general agreements or with dedicated engineering centres
- ▶ KalkiTech is profitable, publicly owned company with professional and stable management team reinvesting all earnings in technology, business and corporate development.



# Key Company Data

- ▶ Founded: 1998
- ▶ Legal Form: Public Limited Company
- ▶ Headquarters: Bangalore, India
- ▶ Locations: USA, UAE, India
- ▶ Employees: 230
- ▶ Growth Rate: 78.26% CAGR for the last 5 Years
- ▶ Certification: ISO 9001-2000 (TÜV Rheinland)
- ▶ R&D: Dedicated R&D Team and Facility
- ▶ Training: Dedicated Training & Lab Facility

# Business Offerings

- ▶ Engineering and development services for automation systems
- ▶ Product realization services
- ▶ Application solutions development and enterprise integration
- ▶ Products



# Engineering and Development Services for Automation Systems



- ▶ Engineering and development services for
  - DCS
  - PLC
  - SCADA
  - IED/RTU
  - HMI
  
- ▶ Engineering services
  - Feasibility studies
  - Basic and detail engineering
  - Application implementation
  - Communication configuration
  - Interoperability testing
  - Integration and documentation
  - Pre-FAT and FAT assistance
  - Commissioning and SAT assistance

- ▶ Development Services
  - Drivers development
  - Communication libraries
  - Instruction blocks extension
  - Platform extension
  
- ▶ Dedicated engineering centers
  - Near shore centers
  - Off-Shore centers
  - On site engineering & resource Augmentation
  
- ▶ Domain expertise
  - Power generation
  - Power T&D
  - Oil & Gas
  - Renewable

# Product Realization Services

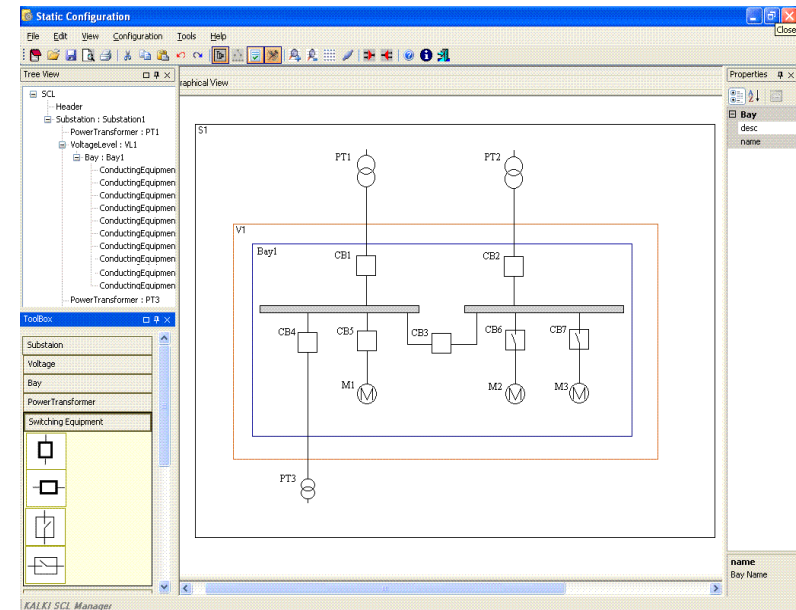
- ▶ Consulting and development services
  - Product design / customization
  - Realization
  - Product life cycle management
  - Protocol consulting and training
  - Protocol testing and certification support
- ▶ Domain expertise
  - Power generation
  - Power T&D
  - Renewable - Wind
- ▶ Customer base
  - Over 30 references
  - 15 Countries
  - Asia, Europe and Americas
- ▶ Customized Hardware & Firmware developments
  - RTU enhancements
  - RTU backplane communication units
  - Custom Low Cost Data acquisition & Communication Devices
- ▶ Software products developed
  - IEC 62056 (DLMS/COSEM) source code library
  - OPC/DDE drivers
  - IEC protocol test tools and scripts
  - SCADA extensions
  - Substation metering software
  - Enterprise integration solutions for SCADA
  - Configuration tools

# Application Solutions Development and Enterprise Integration

- ▶ Packaged solutions for power industry
  - Power plant performance monitoring & efficiency calculation
  - Power plant energy optimization portal
  - Merit order rating for power plants
  - Decision support system for power plant operation
  - Availability based tariff solutions
  
- ▶ Applications
  - Plant wide and organization wide integration
  - MIS for distribution utilities & AT&C loss analysis solutions
  - Substation metering
  - Boiler modelling
  
- ▶ Integration
  - ERP Integration of automation systems
  - Phasor integration with existing EMS

# Products – Communication & Integration Products for OEM extension

- ▶ Protocol gateways
  - Supports ICCP, IEC 61850, C37.118, IEC 10x, DNP3, SPA, courier, SEL protocols etc.,
- ▶ Embedded OEM modules
  - Ideal for integration with OEM H/W: Supports IEC 61850, DNP3, IEC 10x, Modbus
- ▶ Engineering tool based on IEC 61850
  - Substation configuration support
  - Integration with IEC 61970 / CIM XML
  - SLD creation and OEM SCADA integration



# Thank You

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