DFE 东方电子

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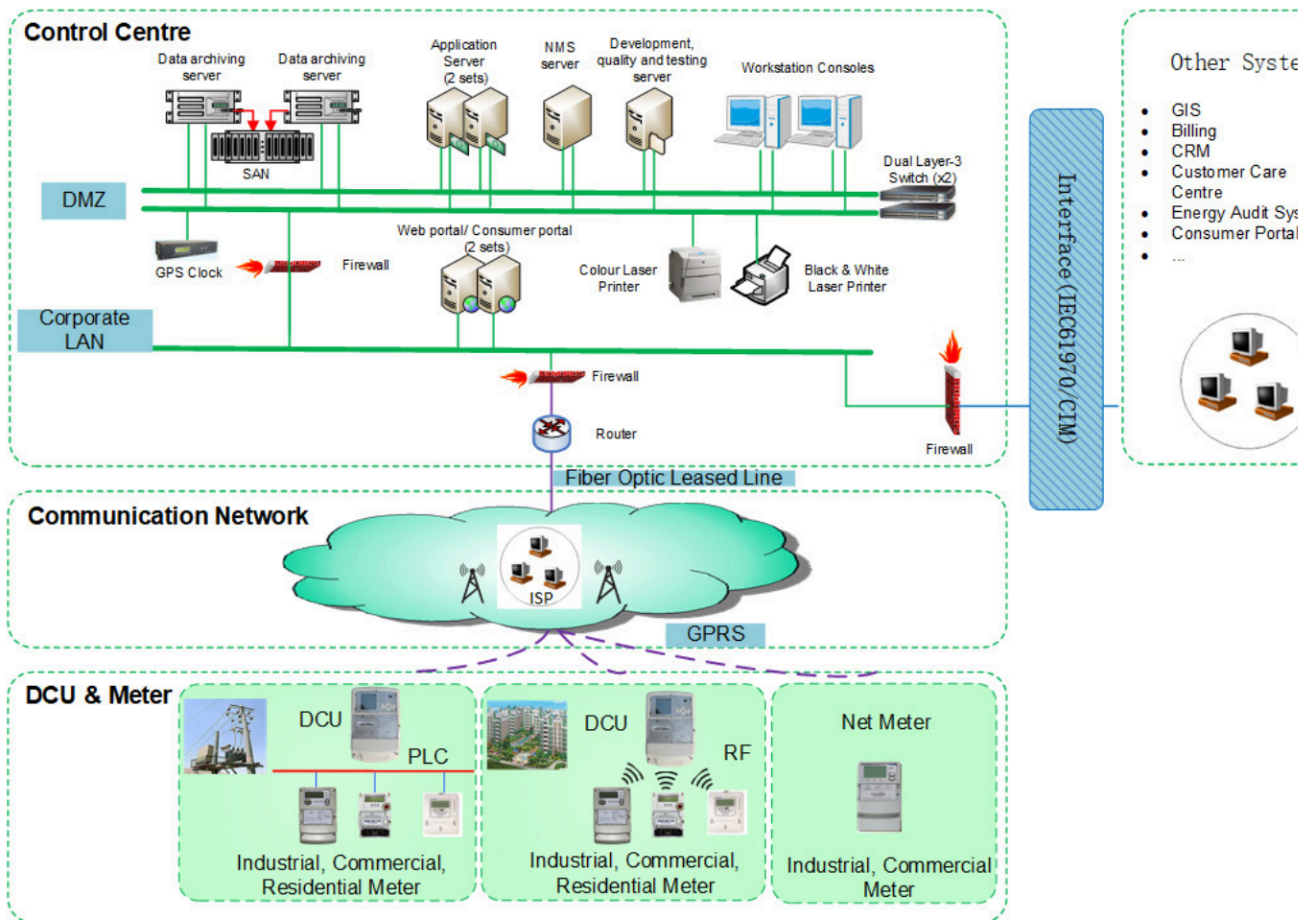
> System Solutions > Smart Grid > AMI System Solution

AMI System Solution

Functions

Administration

- Meter Administration
- Concentrator Administration
- Monitoring of System Components Replacement History
- Monitoring of Command and Parameter History of System Components

• Regular Automatic Backup of All Data At the Desired Time

Data Reading/Collection and Archiving

• Reading of Individual Concentrator/meter
• Reading of the Group of Concentrators/Meters
• Automated Reading According to the Sequence
• Reading On Request
• Periodical Reading on Request
• Special Reading on Request
• Data collected automatically according to the sequence set in advance include the following
    • Daily Register Values
    • Meter States
    • Electricity Quality Log
    • Event Log
    • Load Profile
    • Hourly Register Values
    • State of Monthly Accounting Registers
    • Time and Date

• Data collected from the meter on request including:
    • Effective Voltage Values Per Phases At the Moment of Reading
    • Effective Current Values Per Phases At the Moment of Reading
    • Current Power–(Load Power At the Moment of Reading)
    • Tariff Programmer
    • Integration Period for 15-Minute Maximum Power
    • Consumption Management Parameters
    • Parameters for Voltage Thresholds Within Electricity Quality Log
    • Parameters or Time Intervals of Profiles
    • Parameters for Registers Within Profiles
    • Parameters Related to the Presentation On Meter Display
    • Archive States of Accounting Registers
    • Current State of Bi-stabile Switch
    • Meter Software Version
    • Factory Number and Type of Meter

• Data read according to the sequence from the concentrator including:
    • Statistics of Communication / Emergency and Regular Reports

• Data read from the concentrator upon the request including:
    • Concentrator Data Archive
    • Reading Programmes/Sequences
    • Management/Parameterisation Programmes/Sequences
    • Programmes/Sequences Execution Priorities
    • Communication Routes
    • Concentrator Response Time and Frequency Parameters
    • Communication Parameters of the Concentrator
    • Current Date and Time
    • Other Concentrator Parameters
    • Concentrator Software Version
    • Records on Concentrator Parameter Changes and Adjustments

• Reports on Electricity Quality
• Reports Related to Parameterization and Management
• Communication Reports
• Control Reports
• Reports Generated by the Concentrator

Data and Information Exchange with Other Information Systems and Subsystems of Electr Robust protocol library for various types of DCUs and electronic energy meters, DLMS/CC IEC61870-5-102 compliant

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GATEWAY

Smart Primary equipment

IEC Series Meter

Multi-functional Protection Devi…

Smart terminals in power-distrib…

ANSI Series Meter

Environmental protection and e…

System Solutions

Smart Grid

Smart City

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