THE GRID
THE GRID

CUSTOMER
- CIS
- CRM
- CALL CENTER

METERING
- CIS
- MDM
- DRM

DISTRIBUTION
- OMS
- DMS

TRANSMISSION
- DMS
- OMS
- MARKET OPPS
- TRM

GENERATION
- MARKET OPPS
- TRM
- GENERATION OPPS
- TRM
THE SMART GRID

CUSTOMER

SMART METERS

DISTRIBUTION

TRANSMISSION

GENERATION

CIS
CRM
CALL CENTER

CIS
MDM
DRM

OMS
DMS

DMS
OMS

MARKET OPPS
TRM

GENERATION OPPS
TRM

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THE SMART GRID
C3 ENERGY SMART GRID ANALYTICS™

REAL-TIME BIG DATA ANALYTICS

UI Services
Integration Services
Stream Services

Analytics Engine™
Batch Services
Machine Learning
Data Services
Security Services

C3 ENERGY CUSTOMER ANALYTICS™
C3 Residential™
C3 Commercial™
C3 Enterprise™

C3 ENERGY CUSTOMER SERVICE AND OPERATIONS
C3 Revenue Protection™
C3 Customer Segmentation & Targeting™
C3 Customer Engagement™
C3 CRM™

C3 Data Analysis™
C3 Energy Intelligence™
C3 Designer™

C3 ENERGY GRID ANALYTICS™
C3 AHI Operations™
C3 Asset & System Risk™
C3 Demand Response Analytics™
C3 Grid Investment Planning™

C3 Customer Reliability & Safety™
C3 Outage Analytics, Prediction & Restoration™
C3 Voltage Optimization™
SMART GRID ANALYTICS

Demand-Side Management

- C3 Residential
- C3 Commercial
- C3 Enterprise
- C3 Customer Segmentation & Targeting
- C3 Demand Response Analytics
- C3 Distributed Resource Management
- C3 AMI Operations
- C3 Revenue Protection
- C3 Asset & System Risk
- C3 Outage Analysis, Prediction
- C3 Voltage and VAR Optimization

AMI

- C3 Grid Investment Planning
- C3 Customer Reliability & Safety
- C3 Grid Storage Support
- C3 Renewable Energy Support
- C3 Generation Analytics

Distribution & Transmission Automation

- C3 Outage Analysis, Prediction
- C3 Voltage and VAR Optimization
- C3 Grid Investment Planning
- C3 Customer Reliability & Safety
- C3 Grid Storage Support
- C3 Renewable Energy Support
- C3 Generation Analytics

Generation

- C3 Outage Analysis, Prediction
- C3 Voltage and VAR Optimization
- C3 Grid Investment Planning
- C3 Customer Reliability & Safety
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- C3 Renewable Energy Support
- C3 Generation Analytics
C3 ENERGY SMART GRID SOLUTIONS ACROSS THE VALUE CHAIN
COULD DELIVER $300 PER METER PER YEAR IN ECONOMIC VALUE TO GRID OPERATOR

| SMART GRID ANALYTICS | C3 RESIDENTIAL | C3 COMMERCIAL | C3 ENTERPRISE | C3 CUSTOMER SEGMENTATION & TARGETING | C3 DEMAND RESPONSE ANALYTICS | C3 DISTRIBUTED RESOURCE MANAGEMENT | C3 AMI OPERATIONS | C3 REVENUE PROTECTION | C3 ASSET & SYSTEM RISK | C3 OUTAGE ANALYSIS, PREDICTION | C3 VOLTAGE AND VAR OPTIMIZATION | C3 GRID INVESTMENT PLANNING | C3 CUSTOMER RELIABILITY & SAFETY | C3 GRID STORAGE SUPPORT | C3 RENEWABLE ENERGY SUPPORT | C3 GENERATION ANALYTICS |
|----------------------|----------------|----------------|----------------|---------------------------------------|-------------------------------|------------------------------------|-------------------|---------------------|-------------------------|-------------------------------|-------------------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|
| Demand-Side Management | $77M           | $65M           | $77M           | $31M                                  | $64M                          | $35M                                | $38M               | $50M                | $81M                    | $216M                         | $318M                         | $98M                         | $128M                         | $185M                    | $129M                    | $161M                    |
| AMI                  |                |                |                |                                       |                               |                                    |                   |                     |                        |                               |                               |                             |                               |                         |                         |                         |
| Distribution & Transmission Automation | $1,155M         |                |                |                                       |                               |                                    |                   |                     |                        |                               |                               |                             |                               |                         |                         |                         |
| Generation           | $161M          |                |                |                                       |                               |                                    |                   |                     |                        |                               |                               |                             |                               |                         |                         |                         |

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C3 ENERGY GRID ANALYTICS FOR BGE BUSINESS INTELLIGENCE /DATA ANALYTICS (BI/DA)

C3 AMI OPERATIONS

C3 REVENUE PROTECTION
C3 ENERGY GRID ANALYTICS FOR ENEL
ECONOMIC BENEFIT TO ENEL

SMART GRID ANALYTICS

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AMI
- C3 AMI
- C3 Revenue Protection

Distribution & Transmission Automation
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- C3 EMS
- C3 DMS
- C3 TRM

Generation
- Market Ops
- Generation Ops

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- Generation Ops

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SOCIAL NETWORKING
CLOUD COMPUTING
SMART GRID
ANALYTICS
BIG DATA