PowerOptix® In PJM alone, PowerOptix® is trusted to manage over 450 sub-accounts and 42,000 MWs of generation.
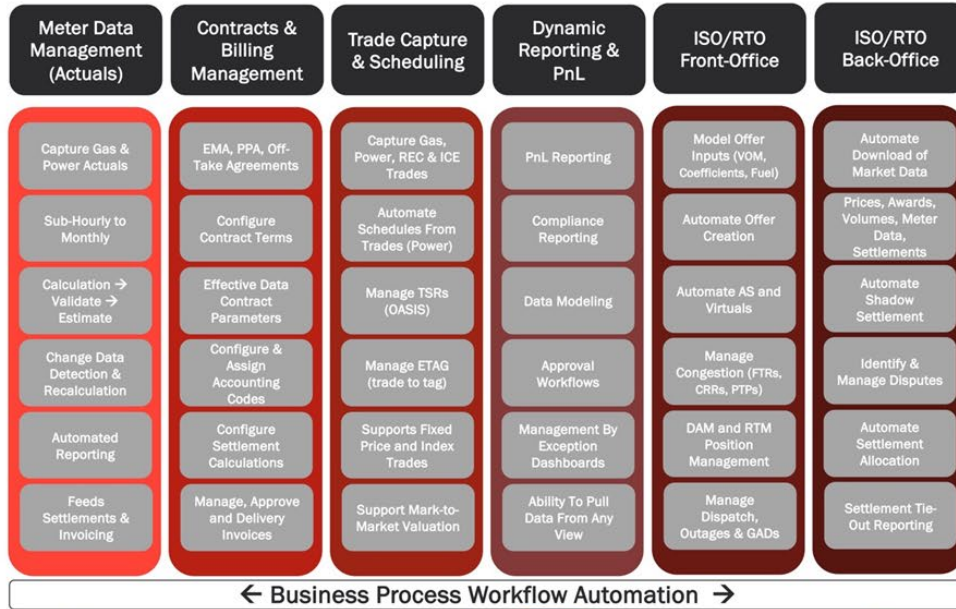
Meter Data Management (Actuals)	Contracts & Billing Management	Trade Capture & Scheduling	Dynamic Reporting & PnL	ISO/RTO Front-Office	ISO/RTO Back-Office
Capture Gas & Power Actuals	EMA, PPA, Off-Take Agreements	Capture Gas, Power, REC & ICE Trades	PnL Reporting	Model Offer Inputs (VOM, Coefficients, Fuel)	Automate Download of Market Data
Sub-Hourly to Monthly	Configure Contract Terms	Automate Schedules From Trades (Power)	Compliance Reporting	Automate Offer Creation	Prices, Awards, Volumes, Meter Data, Settlements
Calculation → Validate → Estimate	Effective Data Contract Parameters	Manage TSRs (OASIS)	Data Modeling	Automate AS and Virtuals	Automate Shadow Settlement
Change Data Detection & Recalculation	Configure & Assign Accounting Codes	Manage ETAG (trade to tag)	Approval Workflows	Manage Congestion (FTRs, CRRs, PTPs)	Identify & Manage Disputes
Automated Reporting	Configure Settlement Calculations	Supports Fixed Price and Index Trades	Management By Exception Dashboards	DAM and RTM Position Management	Automate Settlement Allocation
Feeds Settlements & Invoicing	Manage, Approve and Delivery Invoices	Support Mark-to-Market Valuation	Ability To Pull Data From Any View	Manage Dispatch, Outages & GADs	Settlement Tie-Out Reporting

← Business Process Workflow Automation →

SEEM · aeso · CAISO · ercot · ieso · ISO new england · MISO · New York ISO · pjm · SPP Southwest Power Pool · ICE

Core Capabilities:
- **Flexibility** in providing configurable software to adapt to your business process.
- **Automation** through configurable workflows to create transactions, settlements, PnL, reports.
- **Transparency** in removing the "black box" of how results are calculated and the input sources.
- **Performance** in leveraging a patented, battle-tested architecture that facilitates parallel processing.
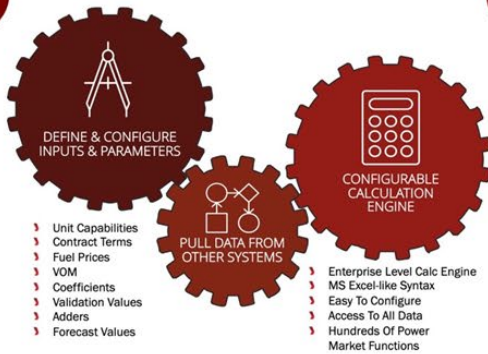
Differentiators
- Multi-commodity platform (Power, Gas, RECs, etc.)
- All Hartigen customers are referenceable.
- Exceptional performance for large-scale, multi-market customers.
- The most flexible platform in the market.
- Modern, patented architecture.
- Exceptional 24x7x365 customer support
- Deep market expertise in all North American power markets

Configurable Calculation Engine

DEFINE & CONFIGURE INPUTS & PARAMETERS

PULL DATA FROM OTHER SYSTEMS

CONFIGURABLE CALCULATION ENGINE

- Unit Capabilities
- Contract Terms
- Fuel Prices
- VOM
- Coefficients
- Validation Values
- Adders
- Forecast Values

- Enterprise Level Calc Engine
- MS Excel-like Syntax
- Easy To Configure
- Access To All Data
- Hundreds Of Power Market Functions

SaaS Deployment

High Performance Managed Service

PowerOptix®SaaS

Options	Security	Service	Expertise
❖ Private Cloud ❖ Azure	❖ World-Class Facilities ❖ Proactive Monitoring ❖ Exceptional Monitoring	❖ Turn-Key PowerOptix® Support (24x7x365) ❖ Pro-Active Infrastructure Monitoring ❖ Business Support	❖ 11 Years of SaaS Deployment Excellence ❖ 15 Production Customer Environments ❖ Failover < 15 mins ❖ Coast-to-Coast Coverage

HARTIGEN

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