VERSIFY®

AN mcg COMPANY

VERSIFY OUTAGE MANAGEMENT SYSTEM

VERSIFY OUTAGE MANAGEMENT SYSTEM (OMS)

MCG's Versify OMS manages outage tickets across the entire outage lifecycle from the initial request, to approval, to execution / coordination of activities with field operators and ISO/RTOs. Native integration with MCG's Operator Log and Integrated Asset Manager (IAM) solutions allows operators to incorporate outage and resource availability into operations and marketing activities.
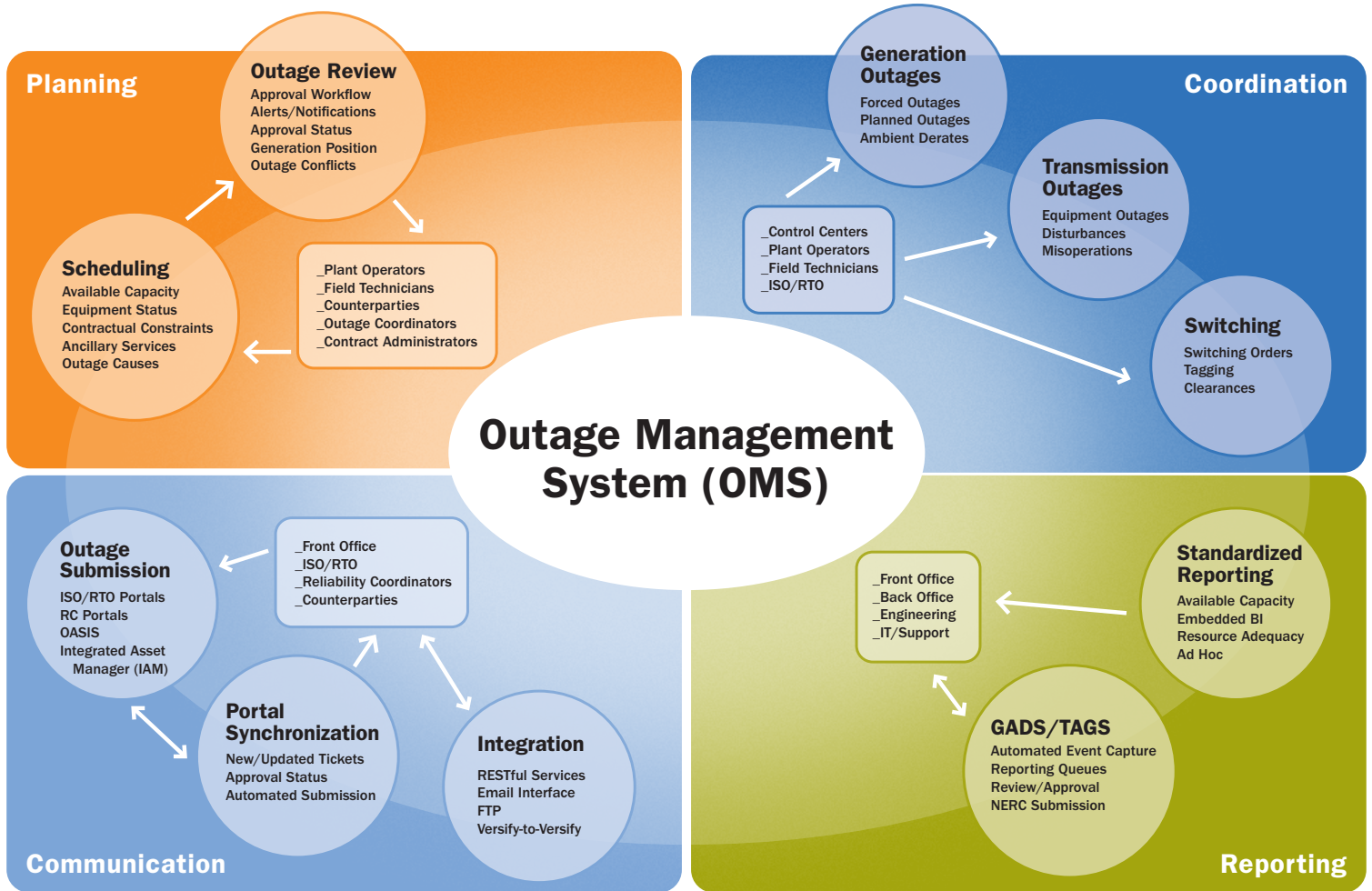
_ **OUTAGE TICKETS** Manage outage details through tickets that define the outage or derating event, including planned and actual start times, type of event, cause, work required, who will perform it, information needed by the ISO/RTO, review, and approval.

_ **OUTAGE PLANNING** Calendar, and Outage Gantt screens with filterable tabular and graphical views of schedules for outage coordination.

_ **REALTIME OPERATIONS** System dashboards enable operators to easily coordinate and communicate outages to to ISOs, RTOs, and field operators, with quick submission of tickets or multiple outages to ISOs/RTOs.

_ **ISO/RTO INTEGRATION** 2-way integration to ISO/RTO portals for automatic or manual submission of new, updated,or cancelled tickets directly from the application. Standardizes communication with ISOs/RTOs using workflow forms mapped to the ISO/RTO OMS with the flexibility to add fields to the workflow whenever the ISO/RTO API changes without new development.

_ **CONFIGURABLE WORKFLOWS** The proprietary workflow engine configures and builds forms, workflow, and alerts/notifications specific to the customer's business processes, reducing implementation time, minimizing risk, and enhancing best practices.

_ **ALERTS / NOTIFICATIONS** Advanced alarm and notification functionality alerts operators and planners to internal or external ticket changes, scheduled timeframes, and approvals.

_ **INTEGRATED SWITCHING ORDERS** The workflow engine's built-in switching order controls enable users to define templates for common switching events, and to specify operations and actions associated with equipment types, personnel who will perform the work, add notes, generate tags, identify boundaries, manage clearances, and review and approve orders.

_ **BUSINESS INTELLIGENCE** Integrated reporting capabilities use Versify's embedded BI engine for standard reports based on NERC reporting requirements, as well as dashboards for creating ad hoc reports.

_ **NERC GADS/TADS REPORTING** Automatically generates and synchronizes NERC events associated with outage tickets for integrated NERC reporting, with the file formats required for upload to NERC.

▶ For complete information, contact MCG at: **612-376-7757** or email: **sales@mcgenergy.com**

KEY FEATURES

_ Forced and Planned Outage management

_ Real-Time view for Control Room Operators

_ Integrated Unit Availability calculations

_ Ticket audit history and overlapping events

_ Automated approval/submission processes

_ Outage listing, calendar & Gantt views

_ 2-way synchronization with ISO/RTO portals

_ Integrated NERC GADS/TADS reporting

_ Integrated BI for Outage KPI reporting

_ Automated Ambient Derates

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SOFTWARE OVERVIEW

Planning

Outage Review
Approval Workflow
Alerts/Notifications
Approval Status
Generation Position
Outage Conflicts

Scheduling
Available Capacity
Equipment Status
Contractual Constraints
Ancillary Services
Outage Causes

_Plant Operators
_Field Technicians
_Counterparties
_Outage Coordinators
_Contract Administrators

Coordination

Generation Outages
Forced Outages
Planned Outages
Ambient Derates

Transmission Outages
Equipment Outages
Disturbances
Misoperations

_Control Centers
_Plant Operators
_Field Technicians
_ISO/RTO

Switching
Switching Orders
Tagging
Clearances

Outage Management System (OMS)

Communication

Outage Submission
ISO/RTO Portals
RC Portals
OASIS
Integrated Asset
  Manager (IAM)

_Front Office
_ISO/RTO
_Reliability Coordinators
_Counterparties

Portal Synchronization
New/Updated Tickets
Approval Status
Automated Submission

Integration
RESTful Services
Email Interface
FTP
Versify-to-Versify

Reporting

_Front Office
_Back Office
_Engineering
_IT/Support

Standardized Reporting
Available Capacity
Embedded BI
Resource Adequacy
Ad Hoc

GADS/TAGS
Automated Event Capture
Reporting Queues
Review/Approval
NERC Submission

KEY BENEFITS

_ End-to-end outage management for field operations, control room, and the back office in a single platform.

_ Streamlined outage coordination and approval process

_ Simplified outage submissions to ISOs/RTOs and Reliability Coordinators

_ Workflows enforce best practices and ISO/RTO policies and procedures with no new development.

_ Built in NERC compliance functionality.

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