

WHAT IS RIO™?

Ranking Index of Orders (RIO) is a web-based software application that is designed to automate the process of ranking work orders for the optimization of work planning and to support the multi-week scheduling process. Work orders are automatically assigned an index or score based on inputs from component and work order attributes. Example inputs are Component Classification, Predictive Maintenance (PdM) Reports, As Found Condition Codes (AFCC), Deferrals, etc.

Order #	Facility	Chdts Post	ERC	Safety	EQ	MRule	RT/MP	ASME	AR/Notif	Control	Room	Deficiency	Age of AR	Previous PM	Effectiveness	Order Type	Position in	Grace	Quality Class	Overdue Before	Next FEG Week	System Improvement	Action Item	Schedule	Commitments	Security Item
T1 (06/09/2008 - 06/15/2008)			8%	10%	20%	12%	18%	4%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
T2 (06/16/2008 - 06/22/2008)			10%	12%	25%	14%	20%	5%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
T3 (06/23/2008 - 06/29/2008)			12%	15%	30%	16%	25%	6%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
T4 (06/30/2008 - 07/06/2008)			15%	18%	35%	18%	30%	8%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
T5 (07/07/2008 - 07/13/2008)			18%	22%	40%	20%	35%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
T6 (07/14/2008 - 07/20/2008)			20%	25%	45%	22%	40%	12%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%	6%
T7 (07/21/2008 - 07/27/2008)			22%	28%	50%	24%	45%	14%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%
T8 (07/28/2008 - 08/03/2008)			25%	32%	55%	26%	50%	16%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
T9 (08/04/2008 - 08/10/2008)			28%	35%	60%	28%	55%	18%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%	9%
T10 (08/11/2008 - 08/17/2008)			30%	38%	65%	30%	60%	20%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
T11 (08/18/2008 - 08/24/2008)			32%	40%	70%	32%	65%	22%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%
T12 (08/25/2008 - 08/31/2008)			35%	42%	75%	34%	70%	24%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%
T13 (09/01/2008 - 09/07/2008)			38%	45%	80%	36%	75%	26%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%
T14 (09/08/2008 - 09/14/2008)			40%	48%	85%	38%	80%	28%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
T15 (09/15/2008 - 09/21/2008)			42%	50%	90%	40%	85%	30%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
T16 (09/22/2008 - 09/28/2008)			45%	52%	95%	42%	90%	32%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
T17 (09/29/2008 - 10/05/2008)			48%	55%	100%	44%	95%	34%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%
T18 (10/06/2008 - 10/12/2008)			50%	58%	100%	46%	100%	36%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
T19 (10/13/2008 - 10/19/2008)			52%	60%	100%	48%	100%	38%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%
T20 (10/20/2008 - 10/26/2008)			55%	62%	100%	50%	100%	40%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
T21 (10/27/2008 - 11/02/2008)			58%	65%	100%	52%	100%	42%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%
T22 (11/03/2008 - 11/09/2008)			60%	68%	100%	54%	100%	44%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%
T23 (11/10/2008 - 11/16/2008)			62%	70%	100%	56%	100%	46%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%
T24 (11/17/2008 - 11/23/2008)			65%	72%	100%	58%	100%	48%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%
T25 (11/24/2008 - 12/01/2008)			68%	75%	100%	60%	100%	50%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
T26 (12/02/2008 - 12/07/2008)			70%	78%	100%	62%	100%	52%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%

Ranking	Order #	JIT Challenge?	Order Description	ERC	Safety Concern Coding	EQ	MRule	RT/MP Priority	ASME	AR/Notif Priority	Control Room Deficiency
82	60012188	N	CPIC MOTOR BEARING OIL SAMPLES	1A	N	N	N	2	1	1	N
82	60015116	N	THRU REMOVAL BIENNIAL MAINTENANCE	1A	N	N	N	2	1	1	N
82	60015464	N	VACUM STR CLEAN & INSPECT	2	N	N	N	2	1	1	N
82	60015465	N	VACUM STR CLEAN & INSPECT	2	N	N	N	2	1	1	N
82	60017737	N	S-35 SCOP 4 STEWRY FLOOR	1A	N	N	N	2	1	1	N
81	60008406	N	ELECTRONIC OIL SIG BLDWR	2	N	N	N	1	1	1	N
81	60010326	N	REPAIR 10 KV SIL RENCT	1A	N	N	N	1	1	1	N
80	60027421	Y	CPIC CRT PANEL METER CALIBRATION	1B	N	N	N	2	0	0	NONE
80	60029358	N	CP 33 MOTOR OIL CLEAN, INSPECT & TEST. OIL CHANGE	1B	N	N	N	2	0	0	NONE
77	60014766	N	COUSE BA STORAGE TANK 10 LVL OIL	3	N	N	N	2	1	1	N
76	60008925	N	T144 ZONE 4 4 PUMP TEST	1	N	N	N	1	1	1	N
76	60009122	N	W-INC INSPECT MAINT ALR SAEZ WTR PR 2	1	N	N	N	1	1	1	N

DATA INTEGRATION

RIO™ automatically integrates the data required for ranking and prioritizing work orders. Work order information is integrated directly from the Computerized Maintenance Management System (CMMS). Interfaces to other systems for component health reporting, system health reporting, and maintenance optimization integrate other key work order or component attributes. User can drill down on summary values for additional analysis.

Indicator Name	Value	Score	Percentage
ERC	1A	15	18.29%
Safety Concern Coding	2	0	0%
EQ	N	0	0%
MRule	N	0	0%
RT/MP Priority	2	50	60.98%
ASME	0	0	0%
AR/Notif Priority	2	2	2.44%
Control Room Deficiency	N	0	0%
Component Unavailable	N	0	0%
Age of AR	0	0	0%
Previous PM Effectiveness	0	0	0%
Order Type	RPM	0	0%
Position in Grace	0	0	0%
Quality Class	Q	15	18.29%
Overdue Before Next FEG Week	0	0	0%
System Improvement Action Item	NONE	0	0%
Schedule Commitments	N	0	0%
Security Item	284	0	0%

Features/Benefits

- Standardized Process
- Fleet Solution
- Powerful Data Integration
- Easy to Implement
- Web-based
- Performance Indicator Reports
- Flexible Inputs/Weights
- Minimal Training

FLEXIBLE CALCULATIONS

Up to 40 inputs, each with a configurable weighting factor, can be used in the algorithm to arrive at the Overall Ranking Index. Ranking indexes are computed automatically with the capability of a manual override by work week managers or other persons with proper security privileges. Work orders are grouped by work week and summary values are displayed for labor hours, parts cost, and other key metrics. Filter criteria is available to refine work order lists.