

creditrisk MONITRONICS INTERNATIONAL, INC. BANKRUPTCY CASE STUDY **BANKRUPTCY CASE STUDY**

FILED ON 06/30/2019



CreditRiskMonitor's warning of Monitronics International, Inc.'s ("Monitronics") bankruptcy risk was determined by a combination of factors:

Monthly Average FRISK® Score	Page 2
The FRISK® Score Components	3
Company Report Detail	4
FRISK® Deep Dive	5
FRISK® Stress Index	6
Peer Analysis on Alternate Suppliers and Customers	7
Quarterly Performance Ratios	8
Quarterly Leverage Ratios	9
Quarterly Liquidity Ratios and Rates of Return	10
News Alerts: A Timeline of Concerning News Items	11
Management Discussion and Analysis	12
About This Report/Contact CreditRiskMonitor	13

MONTHLY AVERAGE FRISK® SCORE

CreditRiskMonitor's FRISK® score had been warning of financial stress at Monitonics, Inc. for more than a year.

The company ultimately filed for bankruptcy on June 30, 2019.

Business Name	2018						2019						
Dusilless Naille	J	Α	S	0	N	D	J	F	M	A	M	J	J
Monitronics International, Inc.	1	1	1	1	1	1	1	1	1	1	1	1	1

BANKRUPT!

The FRISK® score is
96% accurate* in
predicting the risk of
corporate failure/bankruptcy
over a 12-month horizon.
All FRISK® scores are
recalculated every night
for each subsequent
12-month period.

	Proper Pro	bability of bankru	ptcy within 12 months
	rkisk	From	То
Best	10	0.00%	0.12%
	9	0.12%	0.27%
	8	0.27%	0.34%
	7	0.34%	0.55%
	6	0.55%	0.87%
	5	0.87%	1.40%
	4	1.40%	2.10%
	3	2.10%	4.00%
	2	4.00%	9.99%
Worst	1	9.99%	50.00%

While the percentage risk of bankruptcy varies at each FRISK® score, 96% of public companies that eventually go bankrupt enter the FRISK® "red zone" prior to filing. A FRISK® score of 5 or less is an important warning sign.

^{*}FRISK® score accuracy of 96% is based on backtesting of U.S. public companies; results may vary by country.

THE FRISK® SCORE COMPONENTS

At the core of the CreditRiskMonitor process is our 96% accurate FRISK® score, which indicates a company's level of financial stress on a scale of 1 to 10, based on the probability of bankruptcy over a 12-month horizon. When available, the FRISK® score incorporates a number of powerful risk indicators including:

A "Merton" type model using stock market capitalization and volatility

Financial ratios, including those used in the Altman Z"-Score Model Bond agency ratings from Moody's, Fitch, DBRS, & Morningstar

Crowdsourced CreditRiskMonitor Usage Data

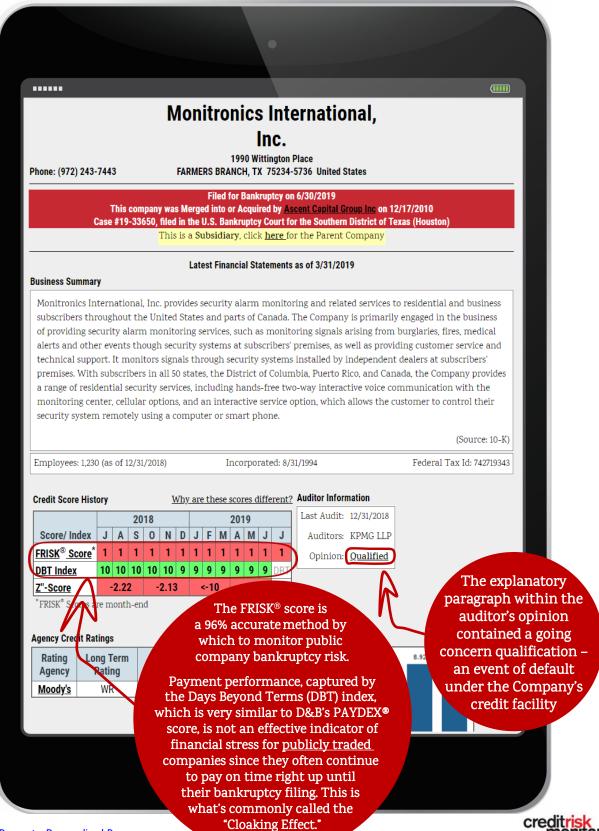
<u>Crowdsourcing</u> has enhanced the accuracy and timeliness of the FRISK® score. We collect and analyze data patterns from thousands of CreditRiskMonitor subscribers, including professionals from more than 35% of the Fortune 1000 and other large corporations worldwide.

The crowdsourcing advantage is even more powerful in our FRISK® score since many of the professionals who use our service are credit managers:

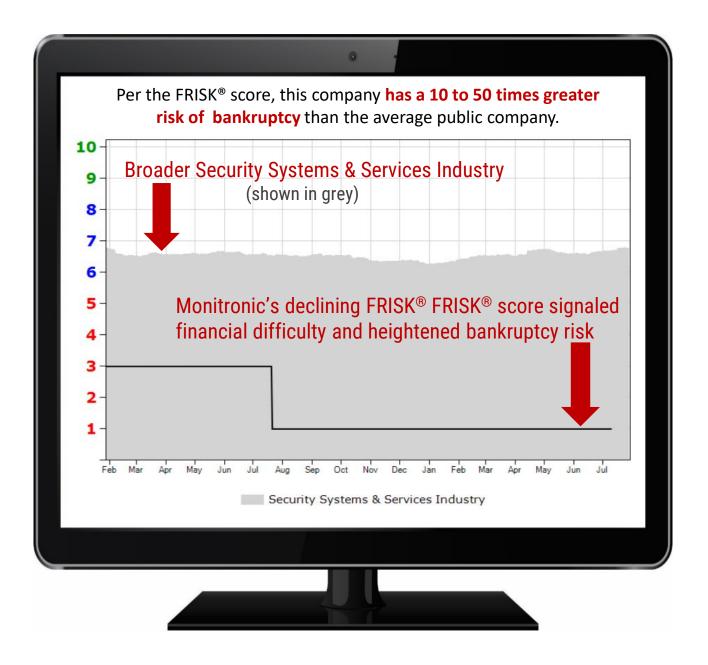
- Credit managers control one of the largest sources of working capital going into a company
- They are not held to the same "Fair Disclosure" restrictions that prevent nondisclosed information sharing on public companies
- Credit managers use a variety of non-public information sources such as their own company's management and sales representatives to be alerted to concerns in a public company's performance
- It is commonly known credit managers confidentially share information with other credit managers, thus collectively, their behavior helps to provide advanced insight to financial problems in public companies

Read more in Credit Research Foundation's quarterly journal article, "Assessing Public Company Financial Risk by Crowdsourcing the Research of Credit Professionals"

COMPANY REPORT DETAIL

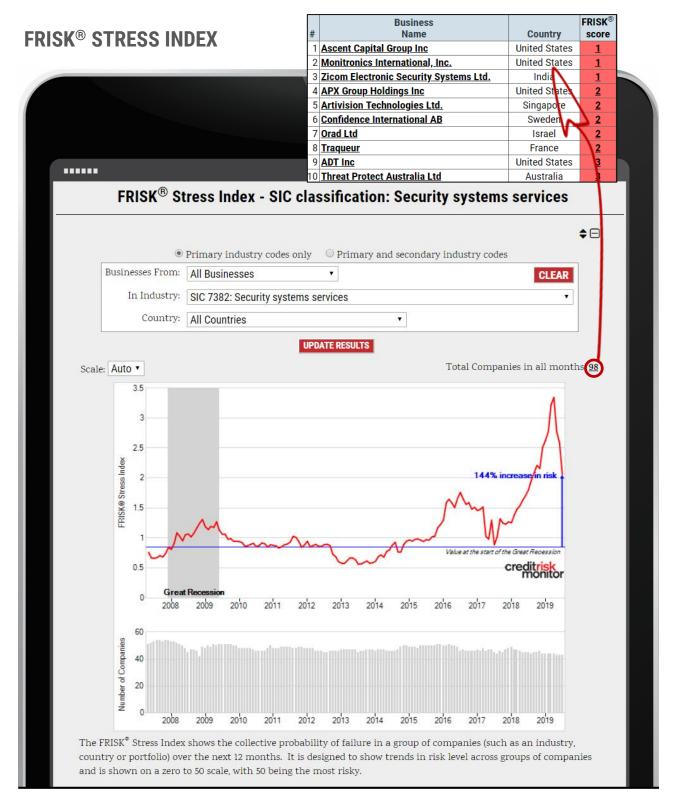


FRISK® DEEP DIVE



The FRISK® score relative to the broader Security Systems & Services industry raised an additional red flag signaling heightened risk relative to peers, as well...

MAKING IMMEDIATE ATTENTION REQUIRED.



The average probability of failure for SIC code 7382 (Security systems services) has increased 144% since 2007. Monitronics was among the weakest names in the industry as evidenced by its FRISK® score of 1.

PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS



Monitronics demonstrated bottom quartile ranking in key financial ratios (shown in red) versus its industry peers.

QUARTERLY PERFORMANCE RATIOS

Cumulative operating loss in the last five fiscal quarters Recurring net loss in the last five fiscal quarters

Performance Ratios - Sequential Quarters

(Thousands of U.S. Dollars) 3 mos 3 mos 3 mos 3 mos 3 mos **Period Ended** 3/31/2019 12/31/2018 9/30/2018 6/30/2018 3/31/2018 Net Sales \$ \$129,606 \$137,156 \$135,013 \$133,753 \$134,436 % change -3.59% -1.98% 1.59% 0.94% 0.16% Gross Margin \$ \$102,842 \$106,304 \$102,097 \$101,966 \$101,052 % change -3.26% 4.12% 0.13% 0.90% -2.98% % of sales 79.35% 79.07% 74.44% 75.52% 75.55% change as % of incremental sales n/m 6.11% 72.54% -1.497.58% n/m SG&A \$ \$31,222 \$20,005 \$34,266 \$32,655 \$32,014 % change 56.07% -41.62% 4.93% 2.00% 9.85% % of sales 24.09% 14.88% 24.98% 24.19% 23.94% change as % of incremental sales n/m 75.18% 50.87% 1.386.96% \$19,321 (\$316,590) Operating margin \$ \$12,280 (\$201,845)\$12,012 % change 106.10% -2.678.09% 106.08% -1.780.36% -17.99% % of sales -235.50% 14.91% 8.95% -149.50% 8.98% change as % of incremental sales 9.991.83% -16,972.78% -1,272.95% n/m n/m EBITDA \$ \$66,406 (\$269,391) \$62,134 (\$145,089) \$69,038 -7.88% % change 124.65% -533.56% 142.82% -310.16% % of sales -200.39% 45.30% -107.46% 51.24% 51.62% change as % of incremental sales n/m n/m 9,669.76% -16,994.21% -2,852.17% EBIT \$ \$14,107 \$6,583 \$12,012 (\$323,131) (\$201,845) % change 103.26% -17.99% 104.37% -5.008.57% -1.780.36% % of sales 10.88% -240.36% 4.80% -149.50% 8.98% change as % of incremental sales n/m n/m 9,725.99% -16,972.78% -1,272.95% Pre-tax income \$ (\$31,099) (\$392,502) (\$32,494)(\$240,445)(\$24,861)% change 92.08% -1,107.92% 86.49% -867.16% -13.70% % of sales -24.00% -291.96% -23.69% -178.09% -18.59% change as % of incremental sales n/m n/m 9.703.73% -17,109.84% 1.447.34% (\$376,911) Net income (loss) \$ (\$31,770) (\$33,840)(\$241,792)(\$26,207) % change 91.57% -1.013.80% 86.00% -822.62% -78.99% % of sales -24.51% -280.36% -24.67% -179.09% -19.59% change as % of incremental sales 9,703.78% -17,109.92% -5,586.96% n/m n/m Tax expense \$ \$671 (\$15,591) \$1,346 \$1,347 \$1,346 Effective tax rate -2.16% 3.97% -4.14% -0.56% -5.41% \$2,880 Depreciation expense \$ \$3,154 \$3,074 \$2,865 \$2,615 % of sales 2.29% 2.10% 2.12% 1.96% 2.43% % of capital expenses 105.17% 90.68% 111.41% 51.00% 79.00% % of PP&E, net (annualized) 27.01% 33.65% 31.50% 32.45% 31.30% \$2,999 Capital expenditures \$ \$2,585 \$5,618 \$3,390 \$3,310 % change -11.53% 31.14% -53.99% 69.73% -24.67% % of PP&E, net (annualized) 25.68% 37.10% 28.28% 63.64% 39.62% % of working capital (annualized) -0.65% -1.45% -22.82% -39.29% -21 91% Interest coverage ratio 1.47 (3.88)1.59 (3.76)1.87 % change 137.83% -344.23% 142.30% -300.76% -8.78% Free cash flow \$ \$45,543 \$26,655 \$4,376 \$11,525 \$47,044 % change 70.86% 509.12% -62.03% -75.50% 153.16% Source: 10-Q 10-K 10-Q 10-Q 10-Q 4/1/2019 5/15/2019 11/6/2018 8/6/2018 5/10/2018

QUARTERLY LEVERAGE RATIOS

Total liabilities
to tangible net
worth ratio signals
heightened risk
in the last 5
quarters

Creditors' degree of protection from loss declines as the total debt to assets ratio worsens

Leverage Ratios - Sequential Quarters

	(Thousands	of U.S. Dollars)				
Period Ended	3/31/2019	12/31/2018	9/30/2018	6/30/2018	3/31/2018	
Total debt \$	\$1,838,900	\$1,816,450	\$1,806,119	\$1,731,235	\$1,722,336	
% change	1.24%	0.57%	4.33%	0.52%	0.24%	
Stockholders' equity \$	(\$623,775)	(\$588,975)	(\$202,907)	(\$167,695)	\$68,220	
% change	-5.91%	-190.27%	-21.00%	-345.82%	-33.60%	
Total debt to equity ratio	n/a	n/a	n/a	n/a	25.25	
% change	n/a	n/a	n/a	n/a	50.95%	
Tangible net worth \$	(\$1,800,551)	(\$1,784,438)	(\$1,767,887)	(\$1,740,542)	(\$1,724,207)	
% change	-0.90%	-0.94%	-1.57%	-0.95%	2.58%	
Total assets \$	\$1,330,914	\$1,305,768	\$1,705,269	\$1,678,750	\$1,917,584	
% change	1.93%	-23.43%	1.58%	-12.45%	-1.22%	
Total debt to assets ratio	1.38	1.39	1.06	1.03	0.90	
% change	-0.68%	31.35%	2.70%	14.82%	1.48%	
Tangible assets \$	\$154,138	\$110,305	\$140,289	\$105,903	\$125,157	
% change	39.74%	-21.37%	32.47%	-15.38%	82.06%	
Short-term debt \$	\$1,838,900	\$1,816,450	\$11,000	\$11,000	\$11,000	
% change	1.24%	16,413.18%	0.00%	0.00%	0.00%	
Short-term debt % of total debt	100.00%	100.00%	0.61%	0.64%	0.64%	
% change	0.00%	16,320.36%	-4.15%	-0.52%	-0.23%	
Short-term debt % of working capital	-99.23%	-98.69%	-44.05%	-16.75%	-22.57%	
% change	-0.55%	-124.04%	-162.94%	25.78%	-47.99%	
Total liabilities \$	\$1,954,689	\$1,894,743	\$1,908,176	\$1,846,445	\$1,849,364	
% change	3 160	-0.70%	3.34%	-0.16%	0.59%	
Total liabilities to equity ratio	Davids		n/a	n/a	27.11	
% change	·	potential	n/a	n/a	51.48%	
Total debt to EBITDA ratio (annualized	credit facil	•	1.21	n/a	6.24	
% change		in 2019, th	11/ U	n/a	8.81%	
Source:	company's			10-Q	10-Q	
		assified as	0	8/6/2018	5/10/2018	
	current. Su	ich a drast	tic			

jump in short-term debt often precedes a bankruptcy filing.

creditrisk

QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

	Recurring negative working capital	Liquidity Ratio	os - Sequenti		sig	Cash, quick & rrent rational liquidi concerns
	Period Ended	3/31/2019	12/31/2018	9/30/2018	6/30/2018	3/31/2018
	Current assets \$	\$70,875	\$43,676	\$66,924	\$37,622	\$63,487
	% change	62.27%	-34.74%	77.89%	-40.74%	138.54%
	% of short-term debt	3.85%	2.40%	608.40%	342.02%	577.15%
	Current liabilities \$	\$1,923,974	\$1,884,207	\$91,895	\$103,280	\$112,220
	% change	2.11%	1,950.39%	-11.02%	-7.97%	13.66%
C	Working capital \$	(\$1,853,099)	(\$1,840,531)	(\$24,971)	(\$65,658)	(\$48,733)
	% change	-0.68%	-7,270.67%	61.97%	-34.73%	32.43%
	% of sales (annualized)	-357.45%	-342.27%	-4.55%	-12.16%	-9.11%
	Cash \$	\$23,931	\$2,188	\$26,835	\$2,103	\$27,901
	% change	993.74%	-91.85%	1,176.03%	-92.46%	744.97%
	% of short-term debt	1.30%	0.12%	243.95%	19.12%	253.65%
	Cash ratio	0.01	0.00	0.29	0.02	0.25
	% change	933.33%	-99.59%	1,331.37%	-91.79%	644.31%
	Quick assets \$	\$36,369	\$15,309	\$39,997	\$14,559	\$40,201
	% change	137.57%	-61.72%	174.72%	-63.78%	152.09%
	% of short-term debt	1.98%	0.84%	363.61%	132.35%	365.46%
	Quick ratio	0.02	0.01	0.44	0.14	0.36
	% change	133.33%	-98.14%	208.65%	-60.64%	121.80%
	Current ratio	0.04	0.02	0.73	0.36	0.57
	% change	58.62%	-96.81%	99.92%	-35.60%	109.83%
	Source:	10-0	10-K	10-0	10-0	10-0

nerate			100		(III
positive	Rate of Retur	n - Sequenti sands of U.S. Dolla	T		
	3 mos	3 mos	3 mos	3 mos	3 mos
Period Ended	3/31/2019	12/31/2018	9/30/2018	6/30/2018	3/31/2018
Return on equity	n/a	n/a	n/a	-354.43%	-25.51%
% change	n/a	n/a	n/a	-1,289.43%	-101.97%
Return on total assets	-2.41%	-25.04%	-2.00%	-13.45%	-1.36%
% change	90.37%	-1,151.77%	85.13%	-889.96%	-82.57%
Return on tangible assets	-24.03%	-300.81%	-27.49%	-209.29%	-27.03%
% change	92.01%	-994.24%	86.86%	-674.25%	-44.70%
Source:	10-Q	10-K	10-Q	10-Q	10-Q
	5/15/2019	4/1/2019	11/6/2018	8/6/2018	5/10/2018

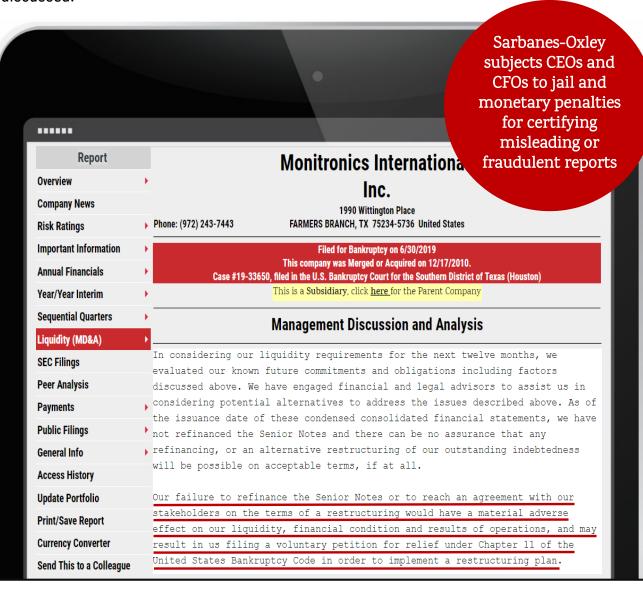
NEWS ALERTS: A TIMELINE OF CONCERNING NEWS ITEMS

	r.	
5/30/2018	CRMZ News Service	Monitronics International, Inc. – updated financials available
Moody's downg (extremely spe		for Monitronics from B3 (non-investment grade speculative) to Caa
7/20/2018	CRMZ News Service	Monitronics International, Inc updated Moody's rating available
period last yea		ooned to \$242 million from a net loss of \$50 million for the same e period also worsened significantly with a net loss of \$268 million .
8/10/2018	CRMZ News Service	Monitronics International, Inc updated financials available
due 2020 issu	ed by Monitronics, announc	5% of the outstanding principal amount of the 9.125% Senior Notes ced that the Company needs to address the maturity of the Notes in oncern default under its credit facility. Stroock & Stroock & Lavan on Behalf of Certain Senior Noteholders of Monitronics International, Inc. Deliver Letter to Company in Response to Tende and Exchange Offers
Monitronics en	ters into an off-balance sh	neet arrangement for liquidity. Such an action is a high-risk red flag.
11/15/2018	CRMZ News Service	MONITRONICS INTERNATIONAL INC FILES (8-K) Disclosing Entry into a Material Definitive Agreement, Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement
due to potentia	l credit agreement covena	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the d unsecured debt that such breaches could trigger.
due to potentia	l credit agreement covena	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the
due to potential potential accel	l credit agreement covena eration of both secured an CRMZ News Service	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the dunsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and
due to potential potential accel 4/1/2019 Moody downgr	l credit agreement covena leration of both secured an CRMZ News Service ades Monitronics credit ra	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the dunsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and
due to potential potential accel 4/1/2019 Moody downgr the high likelih 4/8/2019 For the Q1 201	CRMZ News Service ades Monitronics credit ration of a near term default Moody's Investors Service	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the dunsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and event.
due to potential potential accel 4/1/2019 Moody downgr the high likelih 4/8/2019	CRMZ News Service ades Monitronics credit ration of a near term default Moody's Investors Service	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the dunsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and event. Moody's downgrades Monitronics CFR to Ca, facility ratings to Caa3 and C
due to potential potential accel 4/1/2019 Moody downgr the high likelih 4/8/2019 For the Q1 201 period last yea 5/18/2019 Monitronics re its subsidiaries	CRMZ News Service ades Monitronics credit ration of a near term default Moody's Investors Service 19 period, the net loss expans. CRMZ News Service CRMZ News Service	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the dunsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and event. Moody's downgrades Monitronics CFR to Ca, facility ratings to Caa3 and Canded to \$32 million from a net loss of \$26 million for the same Monitronics International, Inc. — updated financials available regest creditors. Under the terms of the agreement, Monitronics and posed transactions through a partial pre-packaged plan of
due to potential potential accel 4/1/2019 Moody downgr the high likelih 4/8/2019 For the Q1 201 period last yea 5/18/2019 Monitronics re its subsidiaries	CRMZ News Service ades Monitronics credit ration of a near term default Moody's Investors Service 19 period, the net loss expans. CRMZ News Service structures debt with its lates would effectuate the project and expenses.	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the dunsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and event. Moody's downgrades Monitronics CFR to Ca, facility ratings to Caa3 and C anded to \$32 million from a net loss of \$26 million for the same Monitronics International, Inc. — updated financials available regest creditors. Under the terms of the agreement, Monitronics and posed transactions through a partial pre-packaged plan of S. Bankruptcy Code.
due to potential potential accel 4/1/2019 Moody downgr the high likelih 4/8/2019 For the Q1 201 period last year 5/18/2019 Monitronics reits subsidiaries reorganization 5/21/2019	CRMZ News Service ades Monitronics credit ra cood of a near term default Moody's Investors Service 19 period, the net loss expar. CRMZ News Service structures debt with its lais would effectuate the projuder Chapter 11 of the U	going-concern qualification it received from its auditors. This was nt breaches related to a senior secured first-lien term loan and the d unsecured debt that such breaches could trigger. Monitronics International, Inc. Receives Going Concern Opinion ting again; reflecting the company's near-term debt maturities and event. Moody's downgrades Monitronics CFR to Ca, facility ratings to Caa3 and C anded to \$32 million from a net loss of \$26 million for the same Monitronics International, Inc. — updated financials available regest creditors. Under the terms of the agreement, Monitronics and posed transactions through a partial pre-packaged plan of .S. Bankruptcy Code. MONITRONICS INTERNATIONAL INC FILES (8-K) Disclosing Entry into a Material Definitive Agreement, Triggering Events That Accelerate or Increase a Direct Financial Obligation or an Obligation

MANAGEMENT DISCUSSION AND ANALYSIS

One feature of the CreditRiskMonitor service is the ability to quickly access a Company's Management Discussion and Analysis (MD&A) history.

The MD&A represents the thoughts and opinions of management, and provides a forecast of future operations, and therefore these statements can't typically be falsified. According to the Financial Accounting Standards Board (FASB), "MD&A should provide a balanced presentation that includes both positive and negative information about the topics discussed."



ABOUT THIS REPORT/CONTACT CREDITRISKMONITOR



CreditRiskMonitor is a financial risk analysis and news service that helps credit, supply chain and financial professionals stay ahead of and manage risk quickly, accurately and cost effectively. More than 35% of the Fortune 1000, plus over a thousand other large corporations worldwide, rely on our financial risk coverage of over 58,000 global public companies.

CreditRiskMonitor Bankruptcy Case Studies provide post-filing analyses of public company bankruptcies. Our case studies educate subscribers about methods they can apply to assess bankruptcy risk using CreditRiskMonitor's proprietary FRISK® score, robust financial database and timely news alerts.

Request a Personalized Demo and Risk Assessment

Read more Bankruptcy Case Studies, High Risk Reports and other resources

Contact us at: 845.230.3000 creditriskmonitor.com/contact-us