

C/ETRM software providers

Derivatives software

0.1			6		
Oil	Manalan		Gas	Mandan	
2020	Vendor		2020	Vendor	
1	Ion Commoditi		1	Lacima Anal	
2	Lacima Analyti		2	Pioneer Solu	
3	Pioneer Solutio		3		dities: Openlink
4	Molecule Softv		4		dities: Allegro
5	Ion Commoditi	es: Allegro	5	FIS Global	
Douvor			Coal		
Power	Vender			Vandau	
2020	Vendor		2020	Vendor	
1=	Lacima Analyti		1	Lacima Anal	
1=	Pioneer Solutio		2		dities: Allegro
3	Ion Commoditi	•	3	FIS Global	
4	Ion Commoditi	es: Allegro	4		dities: Openlink
5	FIS Global		5	Ion Commod	dities: Triple Point Technology
Emission	IS		Widest	product cove	erage
2020	Vendor		2020	Vendor	•
1	Lacima Analyti	-5	1		dities: Openlink
2	Ion Commoditi		2	Lacima Anal	
3=	Ion Commoditi		2		dities: Allegro
3=	Pioneer Solutio			ion commo	antes. Anegro
5_		211			
Regulato	ory compliance	2	Ease of	using system	1
2020	Vendor		2020	Vendor	
1	Pioneer Solutio	ns	1	Pioneer Solu	itions
2	CubeLogic		2	Lacima Anal	vtics
3	Ion Commoditi	es: Openlink	.3		dities: Allegro
Physical	l trading, ope	erations and logistics software			
Oil		*	Gas		
	2010	Vender		2010	Mandan
2020	2019	Vendor	2020	2019	Vendor
1	1	Ion Commodities: Openlink	1	2	Pioneer Solutions
2	4	Pioneer Solutions	2	1	Ion Commodities: Openlink
3	2	Ion Commodities: Allegro	3	3	Ion Commodities: Allegro
4	-	Lacima Analytics	4	4	Lacima Analytics
			5	-	FIS Global
LNG		\sim $^{\prime}$	Power		
2020	Vendor		2020	2019	Vendor
1	Ion Commoditi	as: Openlink	1	2013	Pioneer Solutions
2	Ion Commoditi		2	3	Ion Commodities: Allegro
3=	Lacima Analyti		3	1	Ion Commodities: Openlink
5= 3=		5	4	4	Lacima Analytics
5=	Planlogic		4 5	4	FIS Global
			C	_	FIS GIODAI
Coal			Emissio	ıs	
2020	2019	Vendor	2020	2019	Vendor
1	2	Ion Commodities: Allegro	1	2=	Pioneer Solutions
2	1	Ion Commodities: Openlink	2	2=	Ion Commodities: Allegro
3=	_	FIS Global	3	1	Ion Commodities: Openlink
3= 3=	3	Pioneer Solutions	5		on commodities. Openinik
5_	5				



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Physical trading, operations and logistics software (continued)

Operatio	nal risk		Schedul	ina	
2020	2019	Vendor	2020	2019	Vendor
1	1	Ion Commodities: Openlink	1	1	Ion Commodities: Openlink
ו ר	2	Pioneer Solutions	2	2	Pioneer Solutions
2					
3	3	Ion Commodities: Allegro	3	3	Ion Commodities: Allegro
Inventor	y managemen	t	Regulat	ory complian	
2020	Vendor		2020	2019	Vendor
1	Ion Commoditie	es: Openlink	1	1	Pioneer Solutions
2	Pioneer Solutio		2	2	Ion Commodities: Openlink
3	Ion Commoditie		3	4	CubeLogic
J		es. Allegio	C	4	CubeLogic
	using system				ons software
2020	2019	Vendor	2020	Vendor	
1	2	Pioneer Solutions	1	Pioneer Solu	
2	1	Ion Commodities: Allegro	2	Ion Commod	lities: Openlink
3	3=	Ion Commodities: Openlink	3	Lacima Analy	ytics
Front- a	nd middle-of	ffice functionality			
		,			
	e analytics			risk: analytic	
2020	Vendor	× .	2020	2019	Vendor
1	Lacima Analyti		1	1	Lacima Analytics
2	Ion Commoditie	es: Openlink	2	3	Pioneer Solutions
3	Pioneer Solutio	ns	3	2	Ion Commodities: Openlink
Market r	risk: stress-tes	ting	Market	risk: manage	ment and reporting
2020	2019	Vendor	2020	2019	Vendor
1	1	Lacima Analytics	1	2	Lacima Analytics
2	3	Pioneer Solutions	2	3	Pioneer Solutions
3	2	Ion Commodities: Openlink	3	1	Ion Commodities: Openlink
5	-		Ū.		
Portfolio	o optimisation		Position	managemer	nt
2020	2019	Vendor	2020	2019	Vendor
1	3	Lacima Analytics	1	2	Pioneer Solutions
2	2	Pioneer Solutions	2	1	Ion Commodities: Openlink
3	4	Ion Commodities: Allegro	3	3	Lacima Analytics
Credit ri	sk				
2020	2019	Vendor			
1	2	Pioneer Solutions			
2	3	CubeLogic			
3	1	Ion Commodities: Openlink			



C/ETRM software providers (continued)

Front- and middle-office functionality (continued)

	ırveillance			ance & complia	
2020	2019	Vendor	2020	2019	Vendor
1	2	Pioneer Solutions	1	2=	Pioneer Solutions
2	-	CubeLogic	2	1	Ion Commodities: Openlink
3	1	Ion Commodities: Openlink	3=	-	CubeLogic
			3=	2=	Ion Commodities: Allegro
Post-tra	de services		Model v	aluation	
2020	2019	Vendor	2020	2019	Vendor
1	2	Pioneer Solutions	1	1	Lacima Analytics
2	1	Ion Commodities: Openlink	2	3	Pioneer Solutions
3=	3	Ion Commodities: Allegro	•		
3=	_	Molecule Software			*
			$\langle \rangle$		
Risk and	l analytics visu			use of cloud	
2020	2019	Vendor	2020	Vendor	
1	1	Lacima Analytics	1	Pioneer Solutio	
2	3	Pioneer Solutions	2	Ion Commodit	
3	2	Ion Commodities: Openlink	3	Ion Commodit	ies: Allegro
Ease of	using system		Best fro	nt-office softv	ware
2020	2019	Vendor	2020	Vendor	
1	2	Pioneer Solutions	1	Pioneer Solutio	ons
2	3=	Lacima Analytics	2	Ion Commodit	ies: Openlink
3	1	Ion Commodities: Allegro	3	Lacima Analyti	
	dle-office sof	tware			
2020	Vendor				
1	Pioneer Solutio				
2	Lacima Analytic				
3	Ion Commoditi	es: Openiink			

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Shipping		Rail and road transporation			
2020 Vendor		2020 Vendor			
1	Veson Nauti	cal	1	SmartFreigh	t
2		dities: Softmar	2		Technologies
3	ShipNet		3	Chorus Logi	
1	Singular Poir	nt	4	GeoMetrix	
					\sim
					$\overline{\mathcal{A}}$
Enterp	orise risk so	oftware			
Enterpr	ise-wide dat	a capture and storage	Integra	tion capabili	ty
2020	2019	Vendor	2020	Vendor	
1	2	Pioneer Solutions	1	Pioneer Solu	itions
2	1	Ion Commodities: Openlink	2		dities: Allegro
3	_	CubeLogic	З	Ion Commo	dities: Openlink
Best me	etrics		Best re	porting capa	bility
2020	2019	Vendor	2020	2019	Vendor
1	1=	Lacima Analytics	1	2	Pioneer Solutions
2	4	Pioneer Solutions	2	3	Lacima Analytics
			3	4	CubeLogic
Credit r	isk software		Analyti	cs package	
2020	2019	Vendor	2020	2019	Vendor
1	1	CubeLogic	1	1	Lacima Analytics
2	3	Pioneer Solutions	2	3	Pioneer Solutions
3	4	Lacima Analytics	3	2	Ion Commodities: Openlink
		ig and management package			g and trade surveillance package
2020	2019	Vendor	2020	2019	Vendor
1	1	Lacima Analytics	1	3=	Pioneer Solutions
2	4	Pioneer Solutions	2	2	CubeLogic
3	3	Ion Commodities: Openlink	3=	1	Ion Commodities: Allegro
			3=	3=	Ion Commodities: Openlink
	s intelligenc				
2020	2019	Vendor			
1	3	Pioneer Solutions			
2	1	CubeLogic			
3	-	Tableau Software			



	oroviders				
Therma	al and satellite i	imagery data	Trackin	g shipping	
2020	2019	Vendor	2020	2019	Vendor
1	1	Genscape	1	1	Kpler
2	_	Kpler	2	-	Clipper Data
2	_	Planet labs	۷.		cipper bata
2	_	Pidriet idus			×
Best da	ata on crude oil	and gas storage	Best pr	ice-reporting	g agency
2020	2019	Vendor	2020	2019	Vendor
1	_	Genscape	1	1	S&P Global Platts
2	1	S&P Global Platts	2	2	Argus Media
	I				
3	_	EIA	3	3	IHS Markit
Best pr	ovider of mark	et intelligence			•
2020	Vendor	-	•		
1	Bloomberg		_		•
2	IHS Markit				
4	III J WAINI				
			• •		
	nanagement				
	supply of data			and curves	Vondor
2020	2019	Vendor	2020	2019	Vendor 75 Dawar Crown
2020 1	2019 1	Vendor ZE PowerGroup	2020 1	2019 1	ZE PowerGroup
2020 1 2	2019	Vendor ZE PowerGroup Bloomberg	2020 1 2	2019 1 2	ZE PowerGroup Enverus
2020 1	2019 1	Vendor ZE PowerGroup	2020 1	2019 1	ZE PowerGroup
2020 1 2	2019 1 2	Vendor ZE PowerGroup Bloomberg	2020 1 2	2019 1 2	ZE PowerGroup Enverus
2020 1 2 3 4	2019 1 2 3 4=	Vendor ZE PowerGroup Bloomberg Morningstar Enverus	2020 1 2 3	2019 1 2 5	ZE PowerGroup Enverus Morningstar
2020 1 2 3 4 Analyt	2019 1 2 3 4= ics tools (charti	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc)	2020 1 2 3 Integra	2019 1 2 5 ting with ot	ZE PowerGroup Enverus Morningstar her systems and platforms
2020 1 2 3 4 Analyti 2020	2019 1 2 3 4= ics tools (charti 2019	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etcl Vendor	2020 1 2 3 Integra 2020	2019 1 2 5 ting with ot 2019	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor
2020 1 2 3 4 Analyt 2020 1	2019 1 2 3 4= ics tools (charti 2019 1	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup	2020 1 2 3 Integra 2020 1	2019 1 2 5 ting with oth 2019 1	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup
2020 1 2 3 4 Analyt 2020 1 2	2019 1 2 3 4= ics tools (charti 2019	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus	2020 1 2 3 Integra 2020	2019 1 2 5 ting with ot 2019	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor
2020 1 2 3 4 Analyt 2020 1 2	2019 1 2 3 4= ics tools (charti 2019 1	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup	2020 1 2 3 Integra 2020 1	2019 1 2 5 ting with oth 2019 1	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup
2020 1 2 3 4 Analyt 2020 1 2	2019 1 2 3 4= ics tools (charti 2019 1	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus	2020 1 2 3 Integra 2020 1	2019 1 2 5 ting with oth 2019 1	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup
2020 1 2 3 4 Analyt i 2020 1 2 3 Custor	2019 1 2 3 4= ics tools (charti 2019 1 3 - her service	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg	2020 1 2 3 Integra 2020 1 2 Preferre	2019 1 2 5 ting with oth 2019 1 2 ed data man	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system
2020 1 2 3 4 Analyt i 2020 1 2 3 Custor	2019 1 2 3 4= ics tools (charti 2019 1 3 -	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor	2020 1 2 3 Integra 2020 1 2	2019 1 2 5 ting with oth 2019 1 2	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor
2020 1 2 3 4 Analyt 2020 1 2 3 Custom 2020	2019 1 2 3 4= ics tools (charti 2019 1 3 - her service	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor	2020 1 2 3 Integra 2020 1 2 Preferre	2019 1 2 5 ting with oth 2019 1 2 ed data man	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor
2020 2 2 4 4 2 2 2 2 3 2 2 2 3 2 2 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 3 3 4 2 3 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 4 4 2 3 3 4 2 3 3 4 2 3 3 4 2 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5	2019 1 2 3 4= ics tools (charti 2019 1 3 - her service 2019	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor ZE PowerGroup	2020 1 2 3 Integra 2020 1 2 Preferra 2020 1 1	2019 1 2 5 ting with oth 2019 1 2 ed data man 2019 1 2	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor ZE PowerGroup ZE PowerGroup
2020 1 2 3 4 Analyti 2020 1 2 2 Custom 2020 1 2 1	2019 1 2 3 4= ics tools (charti 2019 1 3 - her service 2019	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor	2020 1 2 3 Integra 2020 1 2 Preferre	2019 1 2 5 ting with oth 2019 1 2 ed data man 2019	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor
2020 1 2 3 4 Analyti 2020 1 2 Custom 2020 1 2 Ease of	2019 1 2 3 4= ics tools (charti 2019 1 3 - ner service 2019 1 - f using system	Vendor ZE PowerGroup Bloomberg Morningstar Enverus ng, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor ZE PowerGroup	2020 1 2 3 Integra 2020 1 2 Preferra 2020 1 2 1	2019 1 2 5 ting with oth 2019 1 2 ed data man 2019 1 2	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor ZE PowerGroup ZE PowerGroup
2020 1 2 3 4 Analyti 2020 1 2 2020 1 2 2 2 2 2 2 2 2 2 2 2 2 2	2019 1 2 3 4= ics tools (charti 2019 1 3 - ner service 2019 1 - f using system Vendor	Vendor ZE PowerGroup Bloomberg Morningstar Enverus mg, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor ZE PowerGroup Enverus	2020 1 2 3 Integra 2020 1 2 Preferra 2020 1 2 1	2019 1 2 5 ting with oth 2019 1 2 ed data man 2019 1 2	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor ZE PowerGroup ZE PowerGroup
2020 1 2 3 4 Analyti 2020 1 2 Custom 2020 1 2 Ease of	2019 1 2 3 4= ics tools (charti 2019 1 3 - ner service 2019 1 - f using system	Vendor ZE PowerGroup Bloomberg Morningstar Enverus mg, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor ZE PowerGroup Enverus	2020 1 2 3 Integra 2020 1 2 Preferra 2020 1 2 1	2019 1 2 5 ting with oth 2019 1 2 ed data man 2019 1 2	ZE PowerGroup Enverus Morningstar her systems and platforms Vendor ZE PowerGroup Enverus agement system Vendor ZE PowerGroup ZE PowerGroup
Analyti 2020 Custom 020	2019 1 2 3 4= ics tools (charti 2019 1 3 - ner service 2019 1 - f using system Vendor	Vendor ZE PowerGroup Bloomberg Morningstar Enverus mg, dashboards etc) Vendor ZE PowerGroup Enverus Bloomberg Vendor ZE PowerGroup Enverus	2020 1 2 3 Integra 2020 1 2 Preferra 2020 1 2 1	2019 1 2 5 ting with oth 2019 1 2 ed data man 2019 1 2	ZE PowerGroup Enverus Morningstar her systems and platfor Vendor ZE PowerGroup Enverus agement system Vendor ZE PowerGroup



CTRM s	oftware imple	mentation	Analyt	tics developm	ient
2020	2019	Vendor	2020	2019	Vendor
1	1	KWA Analytics	1	1	Lacima Analytics
2	5	Accenture	2	3	KWA Analytics
3=	2	Baringa Partners	3	2	capSpire
3=	3=	capSpire			Å
		and infrastructure			tic process automation projects
2020	Vendor		2020	2019	Vendor
1	KWA Analytics		1	1	Machina Automation
2	Capgemini		2	-	Accenture
3	Publicis Sapien	it	3		Publicis Sapient
Artificia	al intelligence	project development	Unders	standing clier	nt needs
2020	Vendor		2020	2019	Vendor
1	Publicis Sapier		1	1	Lacima Analytics
2=	Machina Auto	mation	-2	2	KWA Analytics
2=	Accenture		3=	4=	capSpire
			3=	_	Accenture
	working relati			t being withiı	n budget
2020	2019	Vendor	2020	Vendor	
1	1	Lacima Analytics	1	KWA Analy	tics
2	2	KWA Analytics	2	capSpire	
3	-	capSpire	3	Lacima Ana	lytics
Most in	novative proje	ct developer	Best va	alue for mone	ey
2020	2019	Vendor	2020	Vendor	-
1	2	KWA Analytics	1	KWA Analy	tics
2	3=	Lacima Analytics	2	Lacima Ana	lytics
3	-	Accenture	3	capSpire	

Methodology The survey went live on January 14, 2020 and closed on February 14. It received 247 valid responses. To compile the Software Rankings, respondents were asked to vote for their preferred software vendor, data management firm, data provider and technology adviser in a variety of categories. All votes were carefully checked and invalid votes stripped out. Examples of votes considered invalid are people voting for their own firm or using a free internet-based email address, multiple votes from the same person or IP address, and voters who choose the same firm indiscriminately throughout the survey. Following closure of the poll, the results are subject to an internal review process, which can result in categories being dropped if they do not have enough votes. The outcome of the review is final.