

Key Base Metal 10 Year Prices



generation' trading and risk management software, often delivered as a service. The advantages of such an approach are numerous: software can be rapidly deployed via the Internet and the software is built on an n-tier model which is scalable and flexible.

However, unless the software is functionally rich enough to handle the complexities involved in trading and marking-to-market physical and derivative commodities, selecting such a system could prove to be a costly mistake. If your SaaS CTRM provider has not developed broker trade feeds, broker reconciliations, broker mark-to-market, flexible margin tools for initial margin and variation margin calculations, real-time price feeds, and advanced curve servers, and support for the listed and OTC products you use now and may use in future, then you will be faced with no choice but to foot the bill for developing these services. And when it comes to assessing an RFP for risk and cost factors, building new bespoke software for an individual client will raise an immediate red flag.

Functionally Rich, Technically Advanced

In order to meet the challenges of delivering a cost-effective solution which builds on existing, proven architecture and which

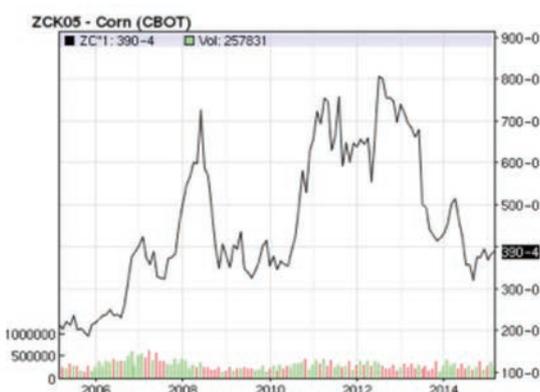
the user can configure to meet their needs, Brady designed a new product in Q4 2014 called the Brady Hedge Manager. Born out of thirty years' experience in the commodities markets, the *Brady Hedge Manager* combines the functional richness of our existing platform with the simplicity and speed of a SaaS

... can the business users add functionality and customise their views and data without commissioning bespoke development?

solution. The Brady Hedge Manager is deployed via Brady's Cloud Service and is shipped with a series of pre-configured reports.

One of the strengths of the system lies in the fact that it is possible to extend functionality using existing optional modules to an almost limitless extent following go-live. In

Key 10 Year Corn & Cotton Prices



Source: www.Nasdaq.com

Future Expansion Enabled Via Optional Modules & Customisable Reports



Source: Brady plc

One of the biggest challenges ... is getting visibility over the physical, derivative and FX positions

Market Visibility

Position Month	Physical	Net Position	Open Orders Hedged for										
Mar-2014	Physical	293.00	293.00										
Mar-2014	Hedge	-300.00	-300.00										
Apr-2014	Physical	100.00	100.00										
Apr-2014	Hedge	-100.00	-100.00										
May-2014	Physical	254.00	254.00										
May-2014	Hedge	-250.00	-250.00										
Jun-2014	Physical	273.00	273.00										
Jun-2014	Hedge	-275.00	-275.00										
Jul-2014	Physical	182.00	182.00										
Jul-2014	Hedge	-175.00	-175.00										
Aug-2014	Physical	195.00	195.00										
Aug-2014	Hedge	-195.00	-195.00										
Sep-2014	Physical	182.00	182.00										
Sep-2014	Hedge	-175.00	-175.00										
Oct-2014	Physical	513.00	513.00										
Oct-2014	Hedge	-500.00	-500.00										
Nov-2014	Physical	124.00	124.00										
Nov-2014	Hedge	-125.00	-125.00										
Dec-2014	Physical	182.00	182.00										
Dec-2014	Hedge	-180.00	-180.00										
Jan-2015	Physical	212.00	212.00										
Jan-2015	Hedge	-200.00	-200.00										
Feb-2015	Physical	302.00	302.00										
Feb-2015	Hedge	-290.00	-290.00										
		77.00	-2.00	0.00	4.00	-2.00	7.00	20.00	7.00	13.00	-1.00	12.00	12.00

In this example the customer is under-hedged by 7 tonnes in March 2014 – position will often be hedged to the nearest LME Lot

Source: Brady plc

addition, experienced users do not need technical skills to configure their own reports and views; they can also set up new products without assistance from Brady. As you would expect from such a solution, implementation time from contract signature to go-live is massively reduced.

The Challenges of Hedging Price Risk for Commodity Processors

First of all, the physical commodity positions need to be extracted from the customer’s ERP or

physical trading system and imported into the Brady Hedge Manager. This can be done using a web service interface to your physical trading system or the file can be dropped into our FTP import folder as frequently as is required. The import format caters for both forward contracts and inventory positions so the Brady Hedge Manager will always have an up to date view of your total physical position. Having your physical positions in the Brady Hedge Manager allows you to view a consolidated report of your risk, incorporating all of your hedging activity.

Measuring the Effectiveness of Corporate Hedging Policy

One of the biggest challenges for the COO and CEO of a large industrial company is getting visibility over the physical, derivative and FX positions at an aggregated entity level and at a particular facility. Brady’s combined risk position report gives a calendar view of pricing risk which will show any un-hedged positions and will tell you which months need to be hedged. It is also possible to create rules which facilitate the automation of ‘contra FX trades’ which back out the FX risk from the risk book.

When the hedges have then been entered into the system, this will flatten the risk report showing the result of hedging out the price risk. This gives immediate visibility to market exposure allowing customers to successfully implement the company’s hedging policy.

Another major challenge for our customers is monitoring and reporting on hedge effectiveness: new hedge accounting rules were introduced in 2014, IFRS 9, updating the previous IAS 39. The main impact of these changes is a reduction in the formal hedge effectiveness testing requirements. It is also now possible to hedge individual

components of the risk and account for this (for example, hedging the metal price risk of a physical sale, and then hedging the FX risk of the combined physical and metal hedge at a later date without having to de-designate the first hedge). Brady can provide the tools to facilitate this.

Being able to split the FX risk out from the commodity price risk and getting visibility over the current cashflow position allows senior management to make timely decisions and appropriate actions.

Managing Margins

One of the major challenges for producers today is a reduction in credit lines in the wake of increased legislation. Managing broker margining requires a system to predict cashflow and the Brady Hedge Manager provides a complete mark-to-market by broker and by month, allowing the validation of current variation margin (VM) exposure with each broker. We also provide the option to include initial margin calculations (IM) using SPAN methodology, which allows better visibility of what the broker's margin call will be. The margin module may also indicate where savings can be made by offsetting positions.

Successful Implementations Start With a Scoping Exercise

Although Brady Hedge Manager is a simple solution for hedging, we would still recommend that you enter into a limited scoping exercise before purchasing any enterprise software. A scoping exercise for out of the box software will take the client through what the package does and check that it covers enough of the requirements, whereas a more customised solution would have a scoping where we start with the users' requirements and then tailor the solution to meet those requirements.

One of the major challenges for producers today is a reduction in credit lines in the wake of increased legislation

If you decide not to progress with Brady, the resulting document serves as a record of your processes and requirements which can be used for any purpose.

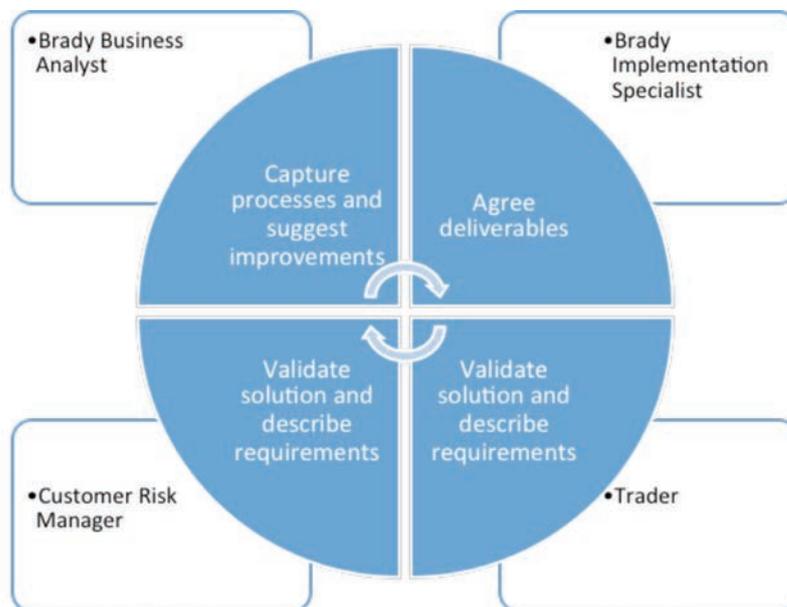
In order for the scoping exercise to be a success, it is critical that the right personnel are made available on both sides, in order that the scope of the project is made clear from the beginning and there are no nasty surprises once implementation begins.

Can CTRM Software Ever Be Delivered Out-of-the-Box'?

In our view, the answer to this question would have to be a qualified 'yes'. Providing the customer and the supplier are fully engaged in the system selection process and both sides are able to understand and capture the business processes – and the vendor

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www.bradypc.com

Roles & Expectations Within the Scoping Exercise



Source: Brady plc

has a proven track record – it is possible to deliver a simple solution for hedging commodity price risk which comes 'out-of-the-box'. In order to make sure that your solution is able to adapt as your business expands, it is essential to ensure that you have selected a solution which is underpinned by thousands of man-hours of development expertise in commodity markets. •

The commodity processing sector comprises the following industries & asset types ...	
Industry	Commodity type
Rolling mills	Aluminium
Wire & cable manufacturers	Copper
Industrial consumers (automobiles and cans)	Lead
Brewing	Tin
Baking	Zinc
Food companies	Nickel
Fabricators	Steel
Extruders	Oil
Refiners	Precious Metals
Foil mills	Cotton
Custom smelters	Cocoa
Alloy makers	Coffee
Secondary processors	Grains
	Oilseeds
	Sugar