

# Minerva

by Satoshi Systems



# A Cloud Native Fully Integrated Commodity Trading & Risk Management and ERP System



Business Agility



Real-time  
Analysis



Cloud Native



Mobile-friendly



Customer-  
focused



# Contract Management

- Manage contracts using a personalized customizable dashboard
- Dashboards are real-time and fully interactive
- Create purchase or sale contracts (outright, differential, ratio contracts) with optionality via an intuitive entry screen
- Send printed contracts digitally via email with the ability to integrate with DocuSign account for electronic signatures
- This systems is mobile-friendly and can be accessed via any modern browser on any device.
- Single Sign On (SSO) with user level permissions

The screenshot displays the 'Contracts' management interface. The top navigation bar includes 'NOTES', 'ACTIVITIES', 'FILES', and 'CUSTOMIZA'. Below the title, there are navigation icons and a 'PRINT CONTRACT' button. The main area is divided into several sections for contract details:

- Contract Nbr.:** CHO00011 - CHO00011
- \* Contract Date:** 08/08/2019
- Status:** Shipment
- \* Commodity:** COCOA - Cocoa
- \* Contract Type:** Outright
- \* Purchase or Sale:** Purchase
- Num of Sub Contracts:** 0 (Multi-Product checkbox is unchecked)
- PRODUCT** section:
  - \* Product Code:** BEANS LC - Cocoa Beans Ligh
  - Commodity Type:** BEANS - Beans
  - Product Category:** COCOA - Cocoa Products
  - Origin:**
- \* Counterparty:** CMC LTD - Cocoa Marketing Compan
- Counterparty Ref:**
- Counterparty Ref 2:**
- Destination Port:**
- Ship From Location:** TEMA - Port of Tema in Ghana
- Packaging Brand:** BRANDED - Branded packaging
- \* Doc Type:** FCC - The Federation of Cocoa Comr
- Arbitration Location:** London
- \* Shipping Period:**
- Weight Terms:**

Additional contract details on the right side:

- \* Quantity:** 100.000
- UOM:** MT
- \* Contract Currency:** GBP - G
- Outright Price:** 1,520.000C
- Number of Lots:** 0.00
- \* Inco Term:** FOB - Free on Board
- \* Valuation Month:**
- Payment Terms:** CAD - Cash Against Documents
- \* Market:** LIFFE - London International Financial Futures ε
- Franchise %:** 0.00
- Tolerance %:** 0.00
- Insurance:** Seller
- Freight:** Seller

Below the details, there are tabs for 'SUBCONTRACTS', 'QUALITY', 'ALLOCATION', 'SAMPLE', and 'VALUATION'. The 'SUBCONTRACTS' tab is active, showing a table with the following data:

Sub-Contract ID	Selected	Split Qty	Status	Open Qty	Fixed	Unit Price	Fix By Date	Shipment Or Delivery	Client	*Ship From	*Ship To
1	<input type="checkbox"/>	34.000	Shipped			1,530.0000		Shipment		01/12/2018	11/12/2018
2	<input type="checkbox"/>	33.000	Shipped			1,530.0000		Shipment		11/12/2018	21/12/2018
3	<input type="checkbox"/>	33.000	Shipped			1,530.0000		Shipment		21/12/2018	01/01/2019

# Contract Fulfilment

- Futures, Options and Currency hedge management
- Sales and Purchase orders (for logistics) are generated automatically
- Allocating inventory, financial settings, shipping settings, payments and much more
- Print or send (email) the orders directly from the system
- All related files can be uploaded and shared via the system by permissioned users

**Sales Orders**

Order Type: SO | Customer: NICHE - Niche Cocoa Industry Limited | Ordered Qty.: 150.00 | Contract Nbr.: SAT00108  
Order Nbr.: 000018 | Location: MAIN - Primary Location | Discount Total: 0.00 | Sub-Contract ID: 5  
Status: Completed | Currency: USD 1.00 | VAT Exempt T...: 0.00  
Date: 13/06/2019 | Credit Hold:  | VAT Taxable T...: 0.00  
Requested On: 13/06/2019 | Tax Total: 0.00  
Customer Order: | Description: | Order Total: 343,500.00

Inventory ID	Sub-Contract ID	Service Appointment Date	Location ID	Appointment Nbr.	Service Order Nbr.	Require Appointment	Free Item	Warehouse	Line Description	UOM
EC BEANSLC	5					<input type="checkbox"/>	<input type="checkbox"/>	NEW Y...	Ecuadorian Cocoa Beans...	MT

**Allocations**

Ship On	Allocated	Alloc. Warehouse	Completed	Lot/Serial Nbr.	Quantity	Qty. On Shipments	Qty. Received	UOM	Mark for PO	Related Document
13/06/2019	<input type="checkbox"/>	NEW YORK 1	<input checked="" type="checkbox"/>		150.00	150.00	0.00	MT	<input type="checkbox"/>	000009

**Sales Order**

Order No.: 000018  
Order Date: 13/06/2019  
Delivery Date: 13/06/2019  
Customer ID: NICHE  
Currency: USD

**SHIP TO:**  
Niche Cocoa Industry Limited  
Singapore

**CONTACT**

**SHIP VIA**

UOM	PRICE	DISC.	EXTENDED PRICE
MT	2,220.0000	0%	39,960.00

**Email Activity**

From: [Redacted]  
To: [Redacted]  
CC: [Redacted]  
BCC: [Redacted]  
Subject: Satoshi Systems Sales Order # 000018

**Sales Order**  
Order Type: SO  
Order Nbr.: 000018  
Customer: Niche Cocoa Industry Limited  
Location: Primary

Dear Customer,  
This is an automatic email to notify you that you have a new Sales Order available on your account.  
You will find a copy of Sales Order # 000018 attached to this email.  
If you have any questions, please don't hesitate to contact us at Email.  
Thank you for choosing Satoshi Systems.

# Contract Allocations and Costings

ALLOCATE

Contract Nbr.:

Commodity Type: LIQUOR

CONTRACTS

Select	Contract Purchase Nbr.	Contract	QtyAll	QtyToAllocat	Product Code	Qty
<input type="checkbox"/>	CHO00018	1	50.000	50.000	ALK LIQ...	

Select	Contract Nbr. Sales	Contract	QtyAll	QtyToAllocat	Product Code	Qty
<input type="checkbox"/>	CHO00017	1	50.000	50.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00017	2	50.000	50.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00019	1	200.000	200.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00019	2	200.000	200.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00027	1	1,000.000	1,000.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00027	2	500.000	500.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00027	3	500.000	500.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00030	1	500.000	500.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00032	1	1,000.000	1,000.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00041	1	50.000	50.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00041	2	50.000	50.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00041	3	50.000	50.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00052	5	15.345	15.345	ALK LIQ 15	
<input type="checkbox"/>	CHO00052	6	15.000	15.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00052	7	15.000	15.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00053	9	22.000	22.000	ALK LIQ 15	
<input type="checkbox"/>	CHO00053	10	12.000	12.000	ALK LIQ 15	

SATOSHI SYSTEMS

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Landed Costs

Type: All Status: All Date: All Vendor: All

Type	Reference Nbr.	Status	Date	Vendor	Vendor Name	Amount Total	Currency
Landed Cost	LC000021	Released	09/08/2019	TRUCKING	Trucking Company	100.00	USD
Landed Cost	LC000020	Released	07/08/2019	TRUCKING	Trucking Company	2,000.00	USD
Landed Cost	LC000019	Released	19/07/2019	CUSTOMS	Customs	5.00	USD
Landed Cost	LC000017	Released	14/06/2019	TRUCKING	Trucking Company	3,010.40	USD
Landed Cost	LC000016	Released	14/06/2019	CUSTOMS	Customs	1,311.19	USD
Landed Cost	LC000015	Released	14/06/2019	SHIPPING	Shipping Line One	4,730.00	USD
Landed Cost	LC000014	Released	14/06/2019	TRUCKING	Trucking Company	8,210.40	USD
Landed Cost	LC000013	Released	14/06/2019	CUSTOMS	Customs	2,172.76	USD
Landed Cost	LC000012	Released	14/06/2019	SHIPPING	Shipping Line One	35,851.00	USD
Landed Cost	LC000011	Released	13/06/2019	INSURANCE	Insurance	190.50	USD
Landed Cost	LC000010	Released	13/06/2019	CUSTOMS	Customs	1,100.00	USD
Landed Cost	LC000009	Released	13/06/2019	SHIPPING	Shipping Line One	3,300.00	USD
Landed Cost	LC000008	Released	10/06/2019	TRUCKING	Trucking Company	3,010.40	USD
Landed Cost	LC000007	Released	10/06/2019	CUSTOMS	Customs	1,311.19	USD
Landed Cost	LC000006	Released	10/06/2019	SHIPPING	Shipping Line One	4,730.00	USD
Landed Cost	LC000005	Released	10/06/2019	TRUCKING	Trucking Company	8,210.40	USD
Landed Cost	LC000004	Released	10/06/2019	CUSTOMS	Customs	2,172.76	USD
Landed Cost	LC000003	Released	10/06/2019	SHIPPING	Shipping Line One	35,851.00	USD
Landed Cost	LC000002	Balanced	31/05/2019	SHIPPING	Shipping Line One	35,851.00	USD
Landed Cost	LC000001	Released	29/05/2019	ALBRECHTDI	Albrecht & Dill Trading GmbH	350.00	EUR

- Allocate back to back trades by linking purchases and sale contracts
- Analyse provisional costing vs actuals
- Multi currency contracts

# Contract Fulfilment

- Shipments and delivery receipts are created automatically once an order has been processed
- Auto Invoice generation
- Enter payments and bills directly into the system which get posted to the relevant general ledger accounts



<b>CONTRACT DATE:</b>	<b>14 MAY 2019</b>
<b>CONTRACT NO.:</b>	<b>SAT00091</b>
<b>TYPE:</b>	<b>Sale</b>

**BUYER:** ABC INTERNATIONAL LTD  
**SELLER:** SATOSHI

**PRODUCT INFORMATION**

	PRODUCT CODE	PREMIUM TYPE	PREMIUM	PREMIUM CUR	CERTIFICATE
<b>QUANTITY:</b>	10				
<b>WEIGHTS:</b>	NET LANDED WEIGHT				
<b>PRICE:</b>	FUTURES PRICE FIXED AT 1850 GBP / MT AGAINST LIFFE				
<b>LOTS:</b>	1				
<b>TERMS:</b>	FREE ON BOARD				
<b>PAYMENT:</b>	CASH AGAINST DOCUMENTS				
<b>DELIVERY:</b>	07-2019				
<b>DESTINATION:</b>	AMSTERDAM, NETHERLANDS				
<b>SPECIAL CONDITION:</b>	THE CONTRACT IS SUBJECT TO THE FEDERATION OF COCOA COMMERCE LONDON. ARBITRATION RULES FOR BUTTER IN FORCE OF THE DATE OF THE CONTRACT. ARBITRATION LOCATION IN				


<b>SUBCONTRACTS:</b>	<b>ID:</b>	<b>SHIP TO:</b>	<b>CUR:</b>	<b>UNIT PRICE:</b>	<b>QTY:</b>	<b>UOM:</b>
	5	31 MAY 2019	USD	2220	5	MT
	6	1 JULY 2019	USD	2220	5	MT





# Inventory Management


- Manage the entire inventory
  - Stock Transfers
  - Issuance and Requests
  - Adjustments
  - Receipts
- Manage multiple warehouses
- Traditional inventory reporting
- Inventory valuation
- And much more...

Inventory: Quick Menu

 New Adjustment

 New Transfer

 New Kit Assembly

 New Stock Item

<b>Transactions</b> <a href="#">Receipts</a> <a href="#">Issues</a> <a href="#">Adjustments</a> <a href="#">Transfers</a> <a href="#">Kit Assembly</a>	<b>Trade Finance</b> <a href="#">Release IN Documents</a> <a href="#">Close Financial Periods</a>	<b>Reports</b> <a href="#">Inventory Balance</a> <a href="#">Inventory Valuation</a> <a href="#">Inventory Register</a> <a href="#">Goods in Transit</a> <a href="#">Lot/Serial Numbers</a>	<b>Preferences</b> <a href="#">Posting Classes</a> <a href="#">Item Classes</a> <a href="#">Item Price Classes</a>
<b>Profiles</b> <a href="#">Stock Items</a> <a href="#">Item Warehouse Details</a> <a href="#">Non-Stock Items</a>	<b>Inquiries</b> <a href="#">Inventory Summary</a> <a href="#">Inventory Allocation Details</a> <a href="#">Inventory Transactions by Account</a> <a href="#">Inventory Lot/Serial History</a> <a href="#">Inventory by Item Class</a>		

Inventory Balance							
Company: SATOSHI						Date: 23/05/2019 11:33	
User: TraderAdmin TraderAdmin						Page: 1 of 1	
Inventory ID	Warehouse	Description	Unit Cost	On Hand	Not Available	Expired	Available
ALK LIQ 15	DEFAULT	Alkalized Block Liquor 15Kg Carton	100.0000	1,178.00	0.00	0.00	128.00
BEANS ASS	COTTERELL	Cocoa Venezuela Beans Arriba	0.0000	4.00	0.00	0.00	4.00
BEANS LC	DEFAULT	Cocoa Beans Light Crop	1,900.0000	975.00	0.00	0.00	931.00
BEANS MC	DEFAULT	Cocoa Beans Main Crop	35.9086	1,100.00	0.00	0.00	1,100.00
NAT BUT 15	DEFAULT	Natural Block Butter 15Kg Carton	100.0000	50.00	0.00	0.00	0.00
NAT BUT 25	DEFAULT	Natural Block Butter 25Kg Carton	100.0000	309.00	0.00	0.00	309.00
NAT CAK 25	DEFAULT	Natural Cake 25Kg Bag	0.0000	0.00	0.00	0.00	-900.00

# FX & Derivatives

- Futures and Options trade entry
- Currency trade entry
- APIs to fetch live market rates and prices as required
- Connectivity via APIs to brokers
- Month end rates for M2M

FX and Futures Dashboard ☆

**FUTURES ALERTS**

1 FUTURES EXPIRING THIS MONTH

[MORE DETAILS](#) →

1 FUTURES EXPIRING THIS WEEK

[MORE DETAILS](#) →

**PHYSICAL DELIVERY ALERTS**

4 CONTRACTS BEING SHIPPED THIS MONTH

[MORE DETAILS](#) →

3 CONTRACTS BEING SHIPPED THIS WEEK

[MORE DETAILS](#) →

**FIXATION ALERTS**

8 CONTRACTS TO BE FIXED THIS MONTH

[MORE DETAILS](#) →

0 CONTRACTS TO BE FIXED THIS WEEK

[MORE DETAILS](#) →

**FUTURES PRICE QUOTES**

**Commodity Futures Price Quotes For Cocoa (ICE Futures)**  
(Price quotes for ICE Futures Cocoa delayed at least 10 minutes as per exchange requirements)

Click for Chart	Open	High	Low	Last	Time	Set	Chg	Vol	Set	Prior Da	Op
Cash	-	2129	2129	2129	17:00 Aug 20	2129s*	2	-	2127	-	-
Sep'19	2165	2207	2165	2207	08:54 Aug 21	-	58	24	2149	14	-
Dec'19	2177	2205	2174	2199	09:27 Aug 21	-	25	13960	2174	107	-
Mar'20	2196	2213	2194	2210	09:27 Aug 21	-	15	7727	2195	62	-
May'20	2208	2223	2206	2220	09:27 Aug 21	-	12	3239	2208	32	-
Jul'20	2221	2231	2214	2228	09:27 Aug 21	-	11	1467	2217	15	-
Sep'20	2225	2233	2215	2230	09:27 Aug 21	-	10	457	2220	11	-
Dec'20	2215	2220	2202	2220	09:24 Aug 21	-	12	400	2208	21	-
Mar'21	2212	2214	2197	2212	09:19 Aug 21	-	8	73	2204	76	-

DESIGN TOOLS

**SHIPMENTS OF PRODUCTS BY MONTH**

**FX RATES**

Investing.com

**Live Currency Cross Rates**

Symbol	Bid	Ask	Last	Open	High	Low	Chg.	Chg. %	Time
EUR/USD	1.1096	1.1098	1.1097	1.1098	1.1107	1.1088	-0.0002	-0.02%	10:38:24
GBP/USD	1.2116	1.2120	1.2118	1.2168	1.2175	1.2112	-0.0050	-0.41%	10:38:27
USD/JPY	106.38	106.40	106.39	106.21	106.60	106.22	+0.17	+0.16%	10:38:23
USD/CHF	0.9807	0.9808	0.9808	0.9778	0.9813	0.9774	+0.0030	+0.30%	10:38:22
AUD/USD	0.6791	0.6792	0.6792	0.6777	0.6800	0.6773	+0.0016	+0.23%	10:38:19
EUR/GBP	0.9154	0.9161	0.9158	0.9118	0.9163	0.9115	+0.0040	+0.43%	10:38:27
USD/CAD	1.3276	1.3278	1.3277	1.3313	1.3329	1.3253	-0.0037	-0.28%	10:38:26
NZD/USD	0.6407	0.6410	0.6409	0.6414	0.6423	0.6396	-0.0005	-0.09%	10:38:24

**TOTAL FUTURES LIFFE VS NYCE**

**FUTURES POSITION**

Market	Purchase or Sale	Terminal Month	Commodity	Lots
LIFFE	Purchase		COCOA	20
LIFFE	Purchase	03/2019	COCOA	250
LIFFE	Purchase	05/2019	COCOA	40
LIFFE	Purchase	07/2019	COCOA	40
LIFFE	Purchase	09/2019	COCOA	20



# Real-Time electronic Trading using a brokers API via DMA (Direct Market Access)

API Trading ☆ CUSTOMIZATION TOOLS ▾

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CONNECT PLACE ORDER HELP

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Exchange:

Currency:

Symbol:

Security Type:

Local Symbol:

Date and Time:

Bid:

Ask:

Open:

Notes:

Last:

High:

Low:

Close:

Buy/Sell:

Order Type:

Quantity:

Limit Price:

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Order Id	Contract ID	Execution ID	Buy/Sell	Status	Security Type	Symbol	Exchange	Currency	Local Symbol	Quantity	Price	Limit Price
27			Buy	Submitted	FUT	ECF	IPE	EUR	ECFZ9	1.00		25.60
28	108030112	000130e8.5d82a9ec.01.01	Buy	Executed	FUT	ECF	IPE	EUR	ECFZ9	1.00	25.67	
29			Buy	Submitted	FUT	ECF	IPE	EUR	ECFZ9	1.00		25.60
30			Buy	Submitted	FUT	ECF	IPE	EUR	ECFZ9	1.00		25.60
31			Buy	Submitted	FUT	ECF	IPE	EUR	ECFZ9	1.00		25.60

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# Process & Discrete Manufacturing

Generate Forecasts ☆

PROCESS PROCESS ALL CALCULATE 00:00:00

Forecast Date: 22/08/2019 Years of History: 1  
Growth Rate: 0.0000  
Factor: 1.0000  
Calculate By Month:

Customer:   
Warehouse:   
Inventory ID:   
Item Class:

Selected	*Inventory ID	*Warehouse	*Begin Date	*End Date	Quantity	*UOM	Change In Units	Percent Change	Customer	Dependent
<input type="checkbox"/>	ALK LIQ 15	DEFAULT	22/08/2019	21/08/2020	274.00	MT	0.00	0.00		<input type="checkbox"/>
<input type="checkbox"/>	BEANS LC	DEFAULT	22/08/2019							
<input type="checkbox"/>	EC BEANSLC	NEW YORK 1	22/08/2019							
<input type="checkbox"/>	NAT BUT 25	DEFAULT	22/08/2019							

Production Order Maintenance

Order Type: 01 Order Date: 14/06/2019  
Production Nbr: MEL00003 - Melting Blocked Butter Status: Closed  
Inventory ID: LCB001 - Liquid Cocoa Butter Product Workgroup:  
Warehouse: DEFAULT - Default Warehouse Product Manager:  
Location: DEFAULT - Default Location  
Description: Melting Blocked Butter

GENERAL REFERENCES EVENT HISTORY ATTRIBUTES TOTALS

PLANNED	ACTUAL
Labor Time: 0 h 00 m	Labor Time: 0 h 00 m
Labor: 0.00	Labor: 0.00
Machine: 0.00	Machine: 0.00
Material: 11,208.02	Material: 0.00
Tool: 0.00	Tool: 0.00
Fixed Overhead: 0.00	Fixed Overhead: 0.00
Variable Overhead: 178.04	Variable Overhead: 0.00
Qty to Produce: 2.00	Qty Complete: 0.00
Plan Total: 11,386.06	Adjustments: 0.00
Unit Cost: 5,693.0300	Scrap: 0.00
Plan Cost Date: 14/06/2019	WIP Total: 0.00
	MFG to Inventory: 0.00

Bill of Material

BOM ID: BOM000003 Inventory ID: CKN - Cooked Cashew Kernel  
Revision: 01 Warehouse: DEFAULT - Default Warehouse  
Status: Active Start Date: 24/06/2019 End Date:  
Description: Create Cooked Cashew Kernel

*Operation ID	*Work Center	Oper Desc	*Setup Time	Run Units	*Run Time	Machine Units	*Machine Time	*Queue Time	Backflush Labor	Scrap Action
01	CASHEW...	Cooking Cashews	00:00	0.00	01:00	0.00	01:00	00:00	<input type="checkbox"/>	No Action

MATERIALS STEPS TOOLS OVERHEAD

*Inventory ID	Description	Qty Required	*UOM	Unit Cost	Planned Cost	Material Type	Phantom Routing	Backflush	Warehouse	Comp BOM ID	Comp BOM Revision
RCN	Raw Cashew Nut Kernel	4.33	MT	562.4860	2,435.56	Regular	Before	<input type="checkbox"/>			
CASHEW OIL	Cashew Oil	-1.95	MT	0.0000	0.00	Regular	Before	<input type="checkbox"/>			

**Trial Balance Summary**

Company: SATOSHI  
 User: TraderAdmin TraderAdmin

Ledger: ACTUAL  
 Fin. Period: 05-2019

Page: 1 of 1  
 Date: 23/05/2019 14:19

Account	Type	Description	Beginning Balance	Debit	Credit	Ending Balance
<a href="#">10200</a>	A	Bank Current Account	47,124.00	0.00	0.00	47,124.00
<a href="#">11000</a>	A	Accounts Receivable	1,111,432.37	110,253.11	0.00	1,221,685.48
<a href="#">12100</a>	A	Inventory Asset	165,610.23	1,939,499.48	49,800.00	2,055,309.71
<b>Assets Total</b>			<b>1,324,166.60</b>	<b>2,049,752.59</b>	<b>49,800.00</b>	<b>3,324,119.19</b>
<a href="#">20000</a>	L	Accounts Payable	9,610.23	0.00	39,499.48	49,109.71
<a href="#">20100</a>	L	Inventory Purchase Accrual	175,000.00	39,499.48	1,939,499.48	2,075,000.00
<a href="#">33000</a>	L	Net Income	1,139,556.37	49,800.00	110,253.11	1,200,009.48
<b>Liability Total</b>			<b>1,324,166.60</b>	<b>89,299.48</b>	<b>2,089,252.07</b>	<b>3,324,119.19</b>
<a href="#">40000</a>	I	Sales Revenue	1,158,556.37	0.00	110,253.11	1,268,809.48
<b>Income Total</b>			<b>1,158,556.37</b>	<b>0.00</b>	<b>110,253.11</b>	<b>1,268,809.48</b>
<a href="#">50000</a>	E	COGS - Inventory	19,000.00	49,800.00	0.00	68,800.00
<b>Expense Total</b>			<b>19,000.00</b>	<b>49,800.00</b>	<b>0.00</b>	<b>68,800.00</b>

**GL Register**

Company: SATOSHI

From Period: 05-2019  
 To Period: 05-2019

User: TraderAdmin

Date: 23/05/2019 14:19

Ledger: ACTUAL

Page: 1 of 1

Period	Module	Batch Nbr.	Date	Status	Description	Created By	Last Modified By	Currency	Control Total
05-2019	AP	<a href="#">000016</a>	08/05/2019	Posted		Admin	Admin	USD	39,499.48
05-2019	AR	<a href="#">000014</a>	08/05/2019	Posted		Admin	Admin	USD	35,200.00
05-2019	AR	<a href="#">000018</a>	14/05/2019	Posted		Admin	Admin	EUR	59,193.11
05-2019	AR	<a href="#">000020</a>	14/05/2019	Posted		Admin	Admin	EUR	52,750.00
05-2019	AR	<a href="#">000020</a>	14/05/2019	Posted		Admin	Admin	USD	11,100.00
05-2019	IN	<a href="#">000013</a>	08/05/2019	Posted		Admin	Admin	USD	39,960.00
05-2019	IN	<a href="#">000015</a>	08/05/2019	Posted		Admin	Admin	USD	1,900,000.00
05-2019	IN	<a href="#">000017</a>	08/05/2019	Posted		Admin	Admin	USD	47,500.00
05-2019	IN	<a href="#">000017</a>	08/05/2019	Posted		Admin	Admin	USD	49,109.48
05-2019	IN	<a href="#">000019</a>	14/05/2019	Posted		Admin	Admin	USD	39,499.48
05-2019	IN	<a href="#">000019</a>	14/05/2019	Posted		Admin	Admin	USD	500.00
05-2019	IN	<a href="#">000021</a>	14/05/2019	Posted		Admin	Admin	USD	1,800.00

Satoshi Systems  
 Balance Sheet  
 As of May 31, 2019

Assets		Total
<b>Current Assets</b>		
10200 -Bank Current Account	47,124.00	
Account Receivable	1,221,685.48	
Inventories	2,055,309.71	
<b>Total Current Assets</b>		<b>3,324,119.19</b>
<b>Total Assets</b>		
		<b>3,324,119.19</b>
<b>Liabilities</b>		
<b>Current Liabilities</b>		
Accounts Payable	49,109.71	
Other Current liabilities	2,075,000.00	
<b>Total Current Liabilities</b>		<b>2,124,109.71</b>
<b>Total Liabilities</b>		
		<b>2,124,109.71</b>
<b>Shareholders' Equity</b>		
Net Income / (Loss)	1,200,009.48	
<b>Total Shareholders' Equity</b>		<b>1,200,009.48</b>
<b>Total Liabilities &amp; Shareholders' Equity</b>		
		<b>3,324,119.19</b>

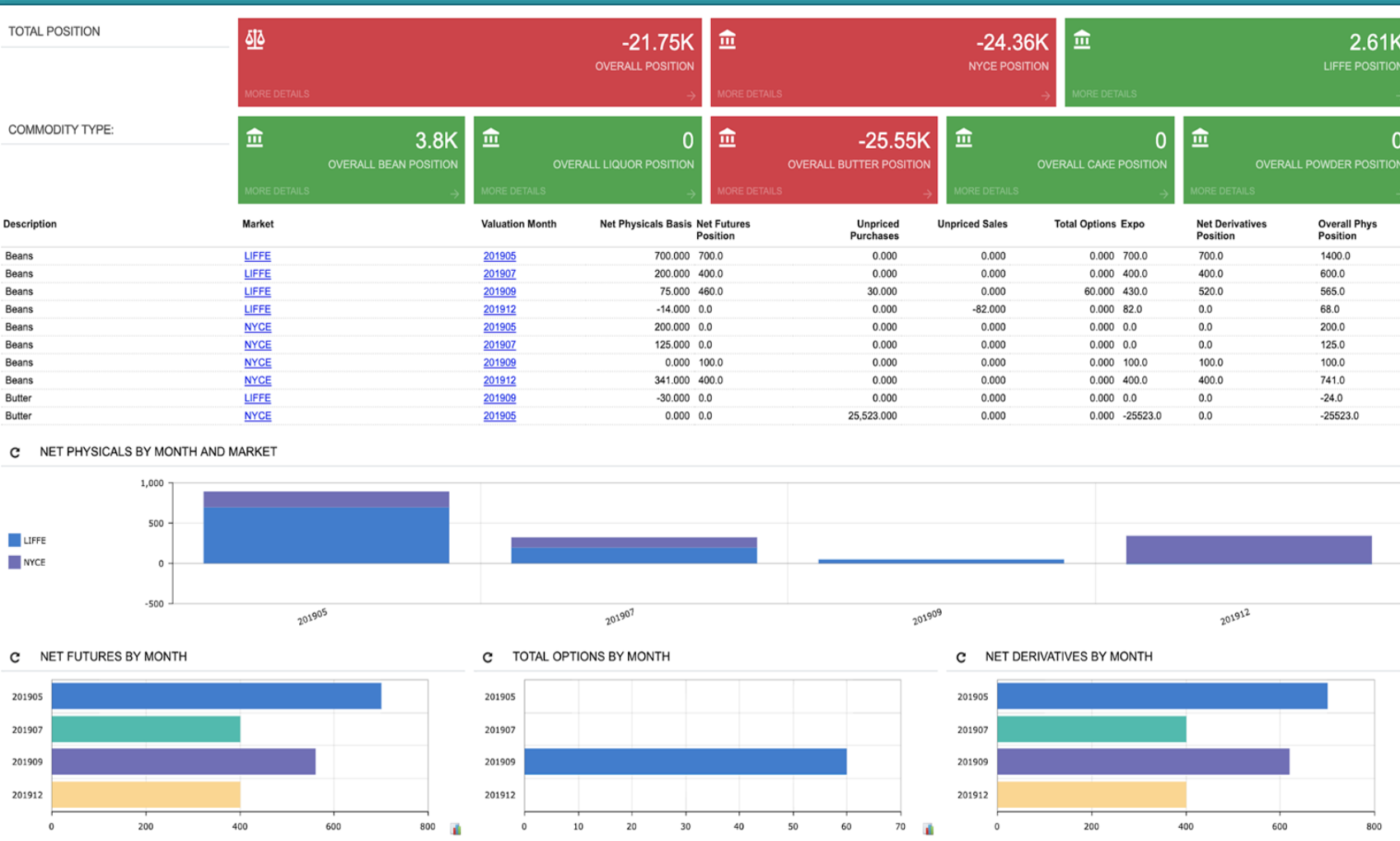
Chart of Accounts

Account	Account Class	Type	Active	Description
10200	CASHASSET	Asset	✓	Bank Current Account
10500	CASHASSET	Asset	✓	Cash in Transit
11000	AR	Asset	✓	Accounts Receivable
11010	AR	Asset	✓	AR Accrual Account
12100	WAREHOUSE	Asset	✓	Inventory Asset
12300	WAREHOUSE	Asset	✓	Goods In Transit
12400	WIP	Asset	✓	Work In Progress

# Finance

- Fully integrated finance module
- Manage financial periods
- Real-time analysis and reporting
- General ledger and chart of accounts
- Completely traceable transactions making for an easily auditable financial system
- Budgeting & Forecasting

# Position Dashboard



- On-demand dashboard which provides a view of the overall position using real-time data
- Alert tiles are designed to highlight a position that may differ from the strategy
- Charts and tiles are fully interactive and can be drilled into
- Manage the trading risk from one screen



# Positions Engine

Positions are calculated in real-time and displayed on the dashboard.

- Stock position holds the total physical inventory for the company
- The stock position and the fixed open contracts which have yet to be delivered or shipped make up the net physical position
- Unpriced contracts contain all open contracts which have not been price-fixed
- The net derivatives position includes all futures and options entered in the system
- Define your own position types

Position\_Report ★

⌂ ↶ ⏪ ⏩ ✕

Drag column header here to configure filter

Description	Market	↑	Valuation Month	Bean Equivalent Basis	Long Trading	Short Expor
> Beans	<a href="#">LIFFE</a>		201905	1,400.000	1,400.000	0.000
Beans	<a href="#">LIFFE</a>		201907	400.000	400.000	0.000
Beans	<a href="#">LIFFE</a>		201909	150.000	300.000	-150.000
Beans	<a href="#">LIFFE</a>		201912	-28.000	92.000	-120.000
Butter	<a href="#">LIFFE</a>		201907	-8.000	0.000	-10.000
Butter	<a href="#">LIFFE</a>		201909	-48.000	0.000	-60.000
Butter	<a href="#">LIFFE</a>		201912	0.000	0.000	0.000
Beans	<a href="#">NYCE</a>		201905	400.000	400.000	0.000
Beans	<a href="#">NYCE</a>		201907	250.000	400.000	-150.000
Beans	<a href="#">NYCE</a>		201909	0.000	0.000	0.000
Beans	<a href="#">NYCE</a>		201912	882.000	882.000	0.000
Butter	<a href="#">NYCE</a>		201905	0.000	0.000	0.000

# Manage Exposure in an Interactive, Drilldown report

Manage your entire exposure in an interactive report

- Real time inventory, priced contracts, unpriced contract and derivatives.
- Filtered by commodity and either by quantity or by cost
- Drilldown to view the transactional details

Risk Exposure Report ☆

Commodity: CORN - Corn  
ByQty/ByAmt: Display By Qty

Exposure Category Descr	July	August	September	October	November	December	January	February	March	April	May	June	Balance
> Inventory - in store	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unfixed Inventory - in store	94.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Inventory - in transit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fully priced purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Basis purchase contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HTA purchase contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Futures(bought)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Long Position	104.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fully priced sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Basis sales contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HTA sales contracts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Futures(sold)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Short Position	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net position	104.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# Risk Position Reports

S
Satoshi Systems ▾
21/08/2019 16:18 ▾
Steve Jones ▾

Risk Position Report ☆
TOOLS ▾

✎ ↺ 📄 📌 ⏪ ⏩ PRINT SEND EXPORT ▾
Type your query here Find

**Risk Position Report**

Company: Steve Jones

User: Steve Jones

Page: 1 of 2

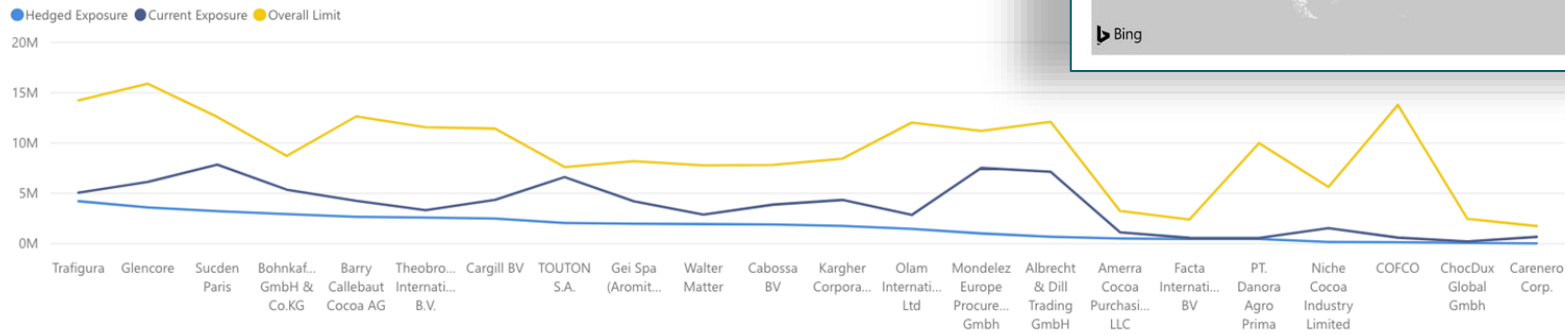
Date: 21/08/2019 16:09

Period	Stock starting balance	Long Trading	Short Export	Net Physicals Basis	Beans Equivalent Basis (A)	Futures Purchases	Future Sales	Net Future Position (B)	Unpriced Purchases (C)	Unpriced Sales (D)	Expo (B-C-D)	Total Options (E)	Net Derivatives Pos (B + E)
<b>Cocoa Beans</b>													
<b>London International Financial Futures and Options Exchange</b>													
May 2019	0.00	4900.00	0.00	4900.00	4900.00	4900.00	0.00	4900.00	0.000	0.000	4900.000000	0.000	4900.0
July 2019	0.00	1400.00	0.00	1400.00	1400.00	6400.00	0.00	6400.00	1,362.000	0.000	5038.000000	0.000	6400.0
July 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.000	0.000	-125.000000	0.000	0.0
September 2019	0.00	1071.00	-525.00	546.00	546.00	5980.00	-1610.00	4370.00	210.000	0.000	4160.000000	570.000	4940.0
December 2019	0.00	322.00	-420.00	-98.00	-98.00	2240.00	-2240.00	0.00	0.000	-574.000	574.000000	0.000	0.0
London International Financial Futures and Options ExchangeTotals	0.00	7693.00	-945.00	6748.00	6748.00	19520.00	-3850.00	15670.00	1,697.000	-574.000	14547.000000	570.000	16240.0
<b>The New York Cocoa Exchange</b>													
May 2019	0.00	1400.00	0.00	1400.00	1400.00	0.00	0.00	0.00	0.000	0.000	0.000000	0.000	0.0
July 2019	0.00	1400.00	-525.00	875.00	875.00	0.00	0.00	0.00	0.000	0.000	0.000000	0.000	0.0
September 2019	5500.00	25035.00	0.00	25035.00	25035.00	1800.00	0.00	1800.00	0.000	0.000	1800.000000	0.000	1800.0
December 2019	0.00	3087.00	0.00	3087.00	3087.00	4200.00	0.00	4200.00	0.000	0.000	4200.000000	0.000	4200.0
March 2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000000	0.000	0.0
The New York Cocoa ExchangeTotals	5500.00	30922.00	-525.00	30397.00	30397.00	6000.00	0.00	6000.00	0.000	0.000	6000.000000	0.000	6000.0
<b>Cocoa Butter</b>													
<b>London International Financial Futures and Options Exchange</b>													
September 2019	0.00	0.00	-210.00	-210.00	-168.00	0.00	0.00	0.00	0.000	-140.000	140.000000	0.000	0.0
July 2019	0.00	0.00	-35.00	-35.00	-28.00	0.00	0.00	0.00	60.000	0.000	-60.000000	0.000	0.0
December 2019	0.00	750.00	0.00	750.00	600.00	0.00	0.00	0.00	0.000	-849.000	849.000000	0.000	0.0
London International Financial Futures and Options ExchangeTotals	0.00	750.00	-245.00	505.00	404.00	0.00	0.00	0.00	60.000	-989.000	929.000000	0.000	0.0
<b>The New York Cocoa Exchange</b>													

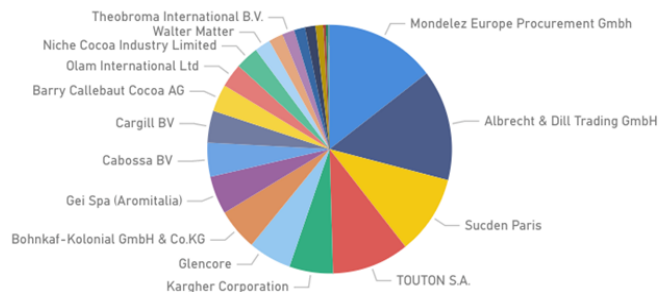
# Publish Exposure Reports

Many more reporting options with the use of Power BI

## Customer Exposure

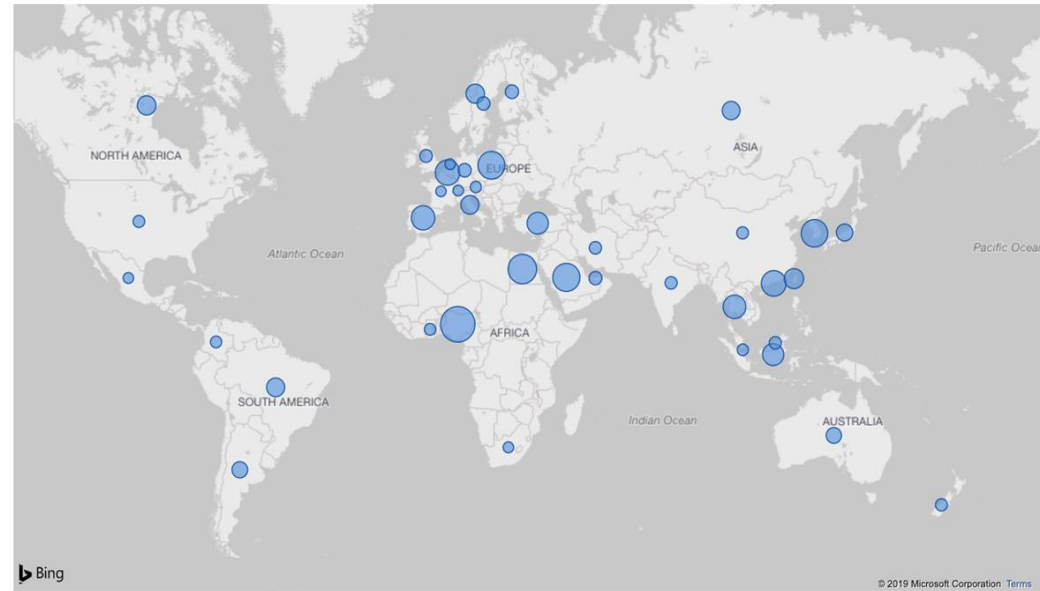


Net Exposure by Customer



Value	Hedged Exposure	Current Exposure	Overall Limit	Net Exposure
Trafigura	4,220,399.17	5,067,058.18	14,241,913.00	846,659.01
Glencore	3,589,312.12	6,132,436.26	15,895,950.00	2,543,124.14
Sucden Paris	3,229,306.99	7,846,833.88	12,597,524.10	4,617,526.89
Bohnkaf-Kolonial GmbH & Co.KG	2,944,183.58	5,368,833.74	8,719,956.20	2,424,650.16
Barry Callebaut Cocoa AG	2,664,740.14	4,252,802.48	12,647,352.30	1,588,062.34
Theobroma International B.V.	2,596,988.32	3,322,101.08	11,563,118.40	725,112.77
Cargill BV	2,503,418.06	4,361,974.79	11,433,951.60	1,858,556.73
TOUTON S.A.	2,066,405.33	6,616,603.89	7,612,907.80	4,550,198.55
Gei Spa (Aromitalia)	1,986,260.67	4,204,830.54	8,198,378.60	2,218,569.87
Walter Matter	1,945,768.34	2,881,917.67	7,781,338.20	936,149.33
Cabossa BV	1,910,283.81	3,879,277.78	7,830,069.70	1,968,993.96
Kargher Corporation	1,766,349.76	4,344,567.12	8,449,548.20	2,578,217.35
Olam International Ltd	1,470,667.41	2,854,750.42	12,026,653.00	1,384,082.00
<b>Total</b>	<b>36,469,525.63</b>	<b>81,115,187.84</b>	<b>201,633,708.90</b>	<b>44,645,662.22</b>

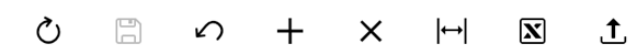
## Net Exposure by Countries



Value	Net Exposure
Argentina	2,102,453.59
Australia	1,946,303.65
Austria	314,155.73
Belgium	5,573,210.96
Brazil	3,029,997.30
Canada	3,242,273.62
China	599,259.77
Colombia	409,073.01
Egypt	7,120,277.17
Finland	1,162,346.94
France	19,058.51
Germany	1,116,249.56
Ghana	441,764.55
Hong Kong	5,647,101.74
India	720,079.21
Indonesia	4,278,500.50
Iran	752,947.78
Italy	3,034,135.64
Japan	2,396,027.52
Malaysia	730,032.05
Mexico	77,166.87
Netherlands	22,219.02
New Zealand	638,945.23
Nigeria	9,408,075.17
Norway	3,201,260.91
Poland	6,486,399.95
Russia	2,906,806.88
Saudi Arabia	6,588,496.51
<b>Total</b>	<b>102,157,095.96</b>



## Futures Price Entry ☆



*Valuation Date	*Market	*Terminal Month	Open	High	Low	Close	TotalVol	SpreadV
> 09/05/2019	LIFFE	201905	1789	1807	1752	1804	9720	4682
09/05/2019	LIFFE	201907	1735	1749	1705	1749	14705	9543
09/05/2019	LIFFE	201909	1723	1733	1694	1733	7200	5898
09/05/2019	LIFFE	201912	1715	1727	1693	1727	4364	3405
09/05/2019	LIFFE	202003	1715	1726	1695	1725	3286	1720
09/05/2019	LIFFE	202005	1714	1723	1695	1722	967	950
09/05/2019	LIFFE	202007	1711	1726	1707	1726	1125	1100
09/05/2019	LIFFE	202009	1704	1732	1704	1732	363	352
09/05/2019	LIFFE	202012	1712	1741	1712	1737	389	85
09/05/2019	NYCE	201905	2426	2451	2386	2438	28419	23131
09/05/2019	NYCE	201907	2400	2425	2369	2414	44849	31014
09/05/2019	NYCE	201909	2417	2433	2381	2425	14615	13024
09/05/2019	NYCE	201912	2410	2431	2386	2423	8082	7015
09/05/2019	NYCE	202003	2416	2427	2387	2421	4745	2996
09/05/2019	NYCE	202005	2417	2433	2400	2430	502	448
09/05/2019	NYCE	202007	2424	2426	2420	2421	298	248
09/05/2019	NYCE	202009	2416	2418	2416	2418	179	178
09/05/2019	NYCE	202012	2427	2452	2427	2451	88	19
10/05/2019	LIFFE	201901	12	123	12	12	1	132

# Mark to Market

## What-If Analysis

- Mark to market is calculated automatically by either manually entering market prices or from an existing API
- Derivatives P&L reporting with the ability to do a what-if market analysis

# Mark to Market

## What-If Analysis

Commodity	Trade No.	Contract Type	Market	Purchase or Sale	Terminal Month	Lots	Price	Value per lot	Market Price	M2M per lot	% Change	PnL	Price Movement	New Value	New PnL
COCOA	TRA00232	Futures	NYCE	Sale	01 March 2019	-60	2140	-128400	2440	-146400	12.30	-18000	2441	-146460	-60
COCOA	TRA00228	Futures	NYCE	Purchase	01 May 2019	170	2300	391000	2438	414460	5.66	23460	2439	414630	170
COCOA	TRA00233	Futures	NYCE	Sale	01 May 2019	-35	2210	-77350	2438	-85330	9.35	-7980	2439	-85365	-35
COCOA	TRA00239	Futures	NYCE	Purchase	01 May 2019	45	2143	96435	2438	109710	12.10	13275	2439	109755	45
COCOA	TRA00234	Futures	NYCE	Sale	01 July 2019	-10	2247	-22470	2414	-24140	6.92	-1670	2415	-24150	-10
COCOA	TRA00240	Futures	NYCE	Purchase	01 July 2019	4	2095	8380	2414	9656	13.21	1276	2415	9660	4
COCOA	TRA00229	Futures	LIFFE	Sale	01 March 2019	-150	2350	-352500	1850	-277500	-27.03	75000	1851	-277650	-150
<b>Total</b>						<b>249</b>	<b>40082</b>	<b>678905</b>	<b>27075</b>	<b>511801</b>	<b>-753.06</b>	<b>-167104</b>	<b>27076</b>	<b>512050</b>	<b>249</b>

Price Movement

1



Commodity	Trade No.	Contract Type	Market	Purchase or Sale	Terminal Month	Lots	Price	Value per lot	Market Price	M2M per lot	% Change	PnL	Price Movement	New Value	New PnL
COCOA	TRA00232	Futures	NYCE	Sale	01 March 2019	-60	2140	-128400	2440	-146400	12.30	-18000	2645	-158700	-12300
COCOA	TRA00228	Futures	NYCE	Purchase	01 May 2019	170	2300	391000	2438	414460	5.66	23460	2643	449310	34850
COCOA	TRA00233	Futures	NYCE	Sale	01 May 2019	-35	2210	-77350	2438	-85330	9.35	-7980	2643	-92505	-7175
COCOA	TRA00239	Futures	NYCE	Purchase	01 May 2019	45	2143	96435	2438	109710	12.10	13275	2643	118935	9225
COCOA	TRA00234	Futures	NYCE	Sale	01 July 2019	-10	2247	-22470	2414	-24140	6.92	-1670	2619	-26190	-2050
COCOA	TRA00240	Futures	NYCE	Purchase	01 July 2019	4	2095	8380	2414	9656	13.21	1276	2619	10476	820
COCOA	TRA00229	Futures	LIFFE	Sale	01 March 2019	-150	2350	-352500	1850	-277500	-27.03	75000	2055	-308250	-30750
<b>Total</b>						<b>249</b>	<b>40082</b>	<b>678905</b>	<b>27075</b>	<b>511801</b>	<b>-753.06</b>	<b>-167104</b>	<b>27280</b>	<b>562846</b>	<b>51045</b>

Price Movement

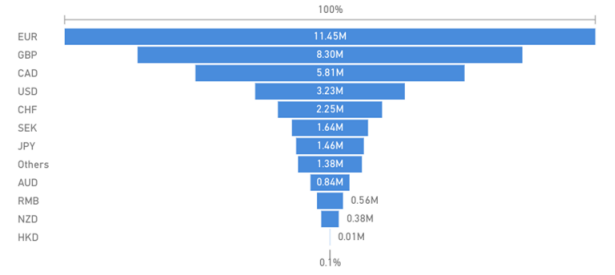
205



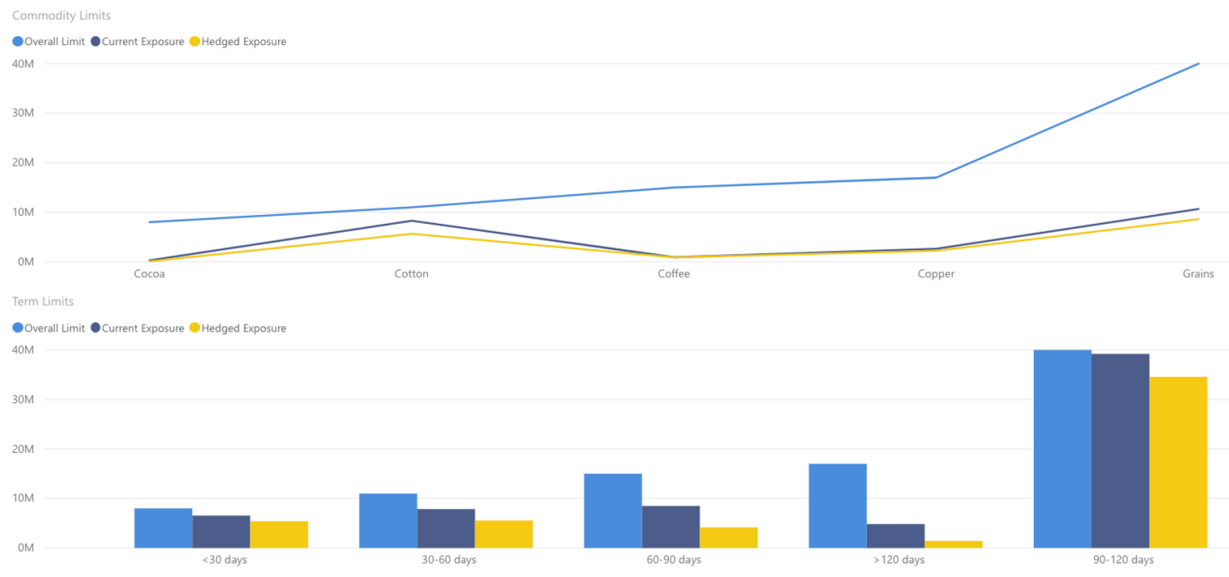
# Design your own reports

## Currency Exposure

Value	Hedged Exposure	Current Exposure	Overall Limit	Net Exposure
AUD	150,554.81	992,248.24	6,000,000.00	841,693.43
CAD	548,312.84	6,355,076.41	7,000,000.00	5,806,763.57
CHF	2,155,242.62	4,403,327.78	10,000,000.00	2,248,085.16
EUR	1,992,583.46	13,444,757.25	15,000,000.00	11,452,173.78
GBP	1,731,150.76	10,034,795.37	11,000,000.00	8,303,644.61
HKD	521,820.63	527,608.32	3,000,000.00	5,787.69
JPY	3,313,836.88	4,774,665.87	5,000,000.00	1,460,828.99
NZD	3,438,251.67	3,816,284.14	6,000,000.00	378,032.47
Others	4,181,649.37	5,560,404.79	17,000,001.00	1,378,755.42
RMB	813,031.19	1,375,371.75	4,000,000.00	562,340.56
SEK	32,314.84	1,675,558.01	2,000,000.00	1,643,243.18
USD	820,455.59	4,049,257.02	8,000,000.00	3,228,801.43
<b>Total</b>	<b>19,699,204.67</b>	<b>57,009,354.96</b>	<b>94,000,001.00</b>	<b>37,310,150.29</b>

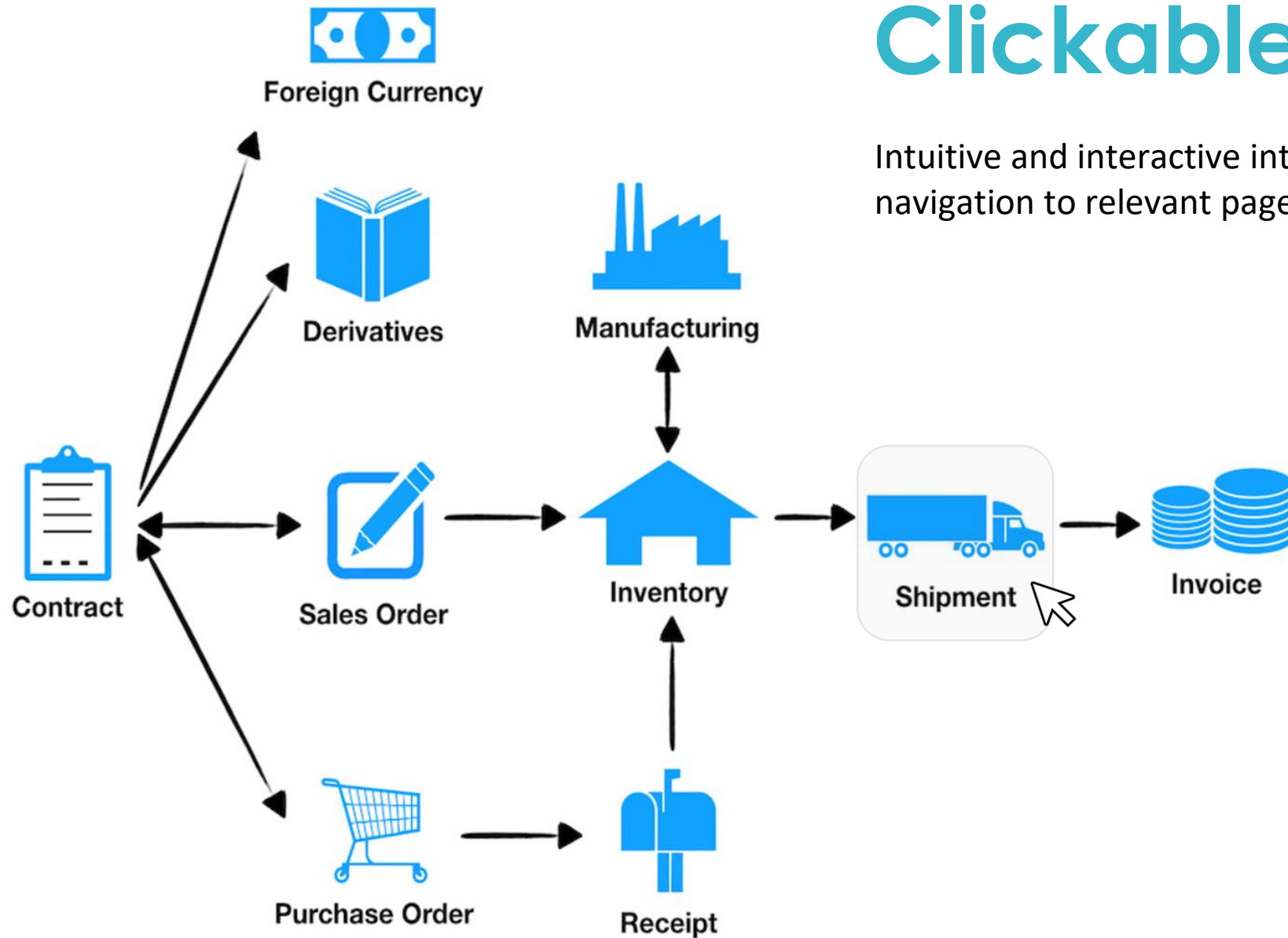


## Commodity and Term Limits



# Clickable Flowchart

Intuitive and interactive interface allows for ease of navigation to relevant pages.





# Customer Self-Service Portal

**SATOSHI SYSTEMS** Search... 24/09/2019 13:06

**Catalog**

**OPEN CART**

Your cart is empty

Find Item:


Category:

**ADD TO CART**

Add To Car	Qty	Inventory ID	Description	This house	All Warehouses
<input type="checkbox"/>	0.00	<a href="#">ALK LIQ 15</a>	Alkalized Block Liq		0.00
<input type="checkbox"/>	0.00	<a href="#">ALK LIQ 25</a>	Alkalized Block Liq		0.00
<input checked="" type="checkbox"/>	0.00	<a href="#">BEANS LC</a>	Cocoa Beans Light	74.00	74.00
<input type="checkbox"/>	0.00	<a href="#">BEANS MC</a>	Cocoa Beans Mair		0.00
<input type="checkbox"/>	0.00	<a href="#">BEANS SB</a>	Cocoa Beans Sma		0.00
<input type="checkbox"/>	0.00	<a href="#">BEANS T4</a>	Cocoa Beans Type		0.00
<input type="checkbox"/>	0.00	<a href="#">EC NAT BUT</a>	Natural Ecuadorian		0.00
<input type="checkbox"/>	0.00	<a href="#">ECNATBUT T</a>	Natural Ecuadorian		0.00
<input type="checkbox"/>	0.00	<a href="#">ID NAT BUT</a>	Natural Indonesian Block Butter 25Kg...		0.00
<input type="checkbox"/>	0.00	<a href="#">ID UTZ BUT</a>	Natural Indonesian Block Butter UTZ ...		0.00

**Item Details**

**BEANS LC - Cocoa Beans Light Crop**



Light Crop Cocoa Beans from Ghana.  
Packaged in 1MT jute bags.

**Attributes**

Attribute	Value
Qty:	<input type="text" value="1.00"/>
Unit:	<input type="text" value="MT"/>
Warehouse:	<input type="text" value="Default Warehouse"/>

**ADD TO CART**

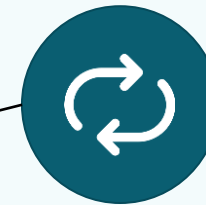
No records found.  
Try to modify parameters above to see records here.

# Customer Relationship Management

Gain a 360-degree view of your business with integrated financials, marketing, sales and service.

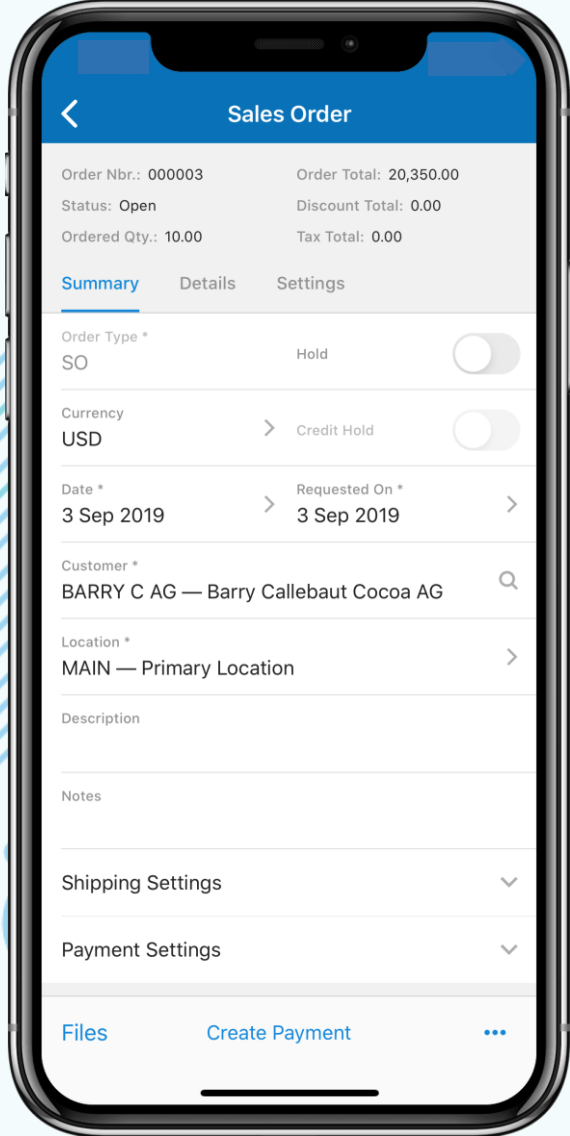
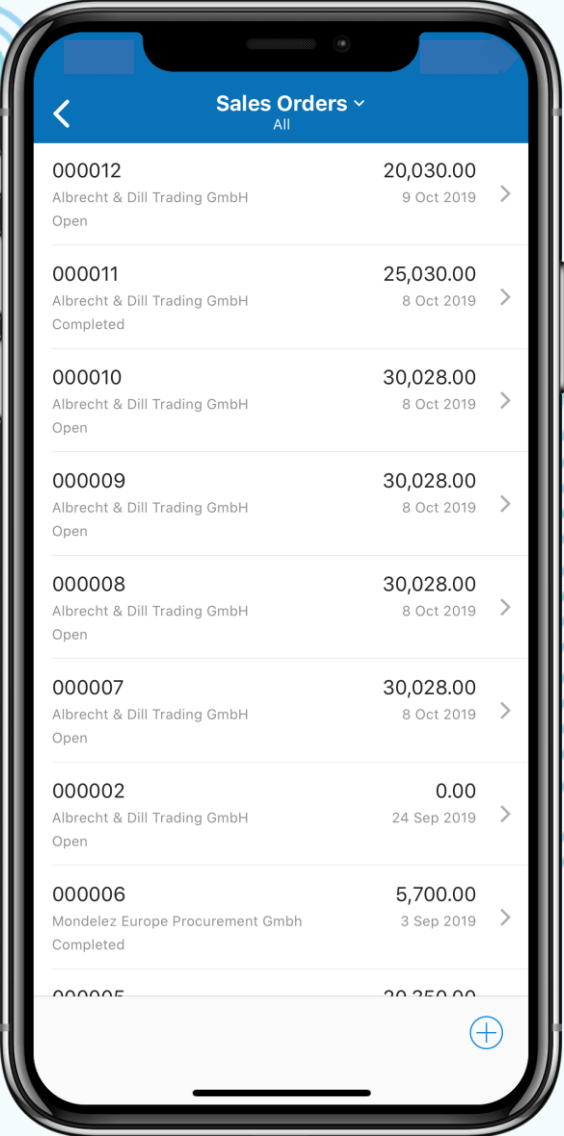
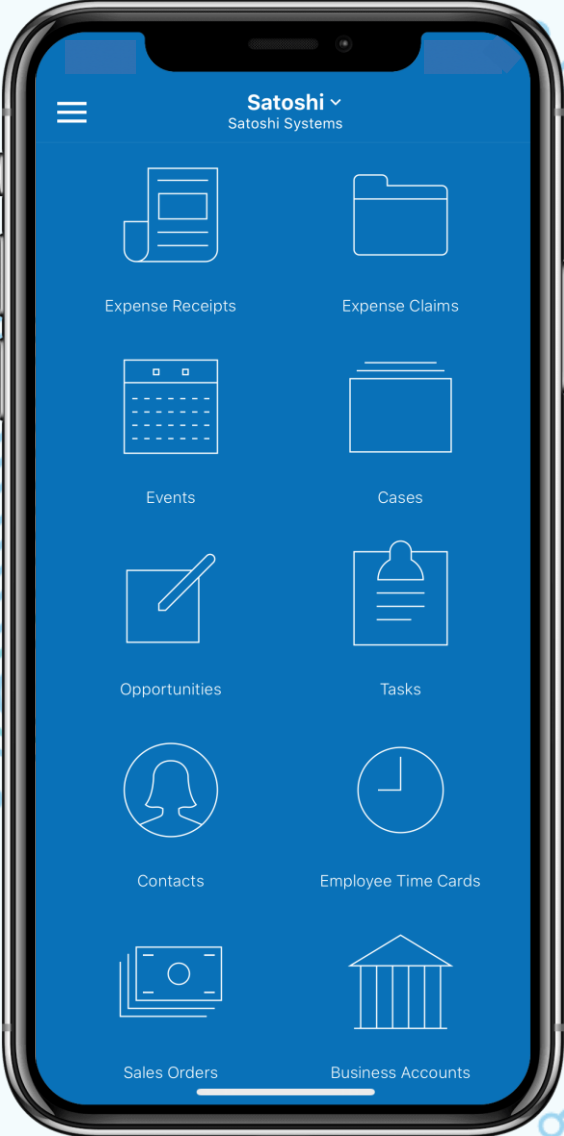


Outlook interface with 1-click access to existing contacts, activity logs, email contents and more.



Supports bi-directional real-time synchronization of data with Salesforce.

# App access for Producers, Suppliers and Customers



# Field Service Route Management

- Provides tools for optimising routes that minimise gas consumption and travel time
- Uses Google Maps to plot the route for each response person and the resources they will require



Route Planning



Mobile Service Management



Dashboards and  
Business Intelligence



Service Contract  
Management

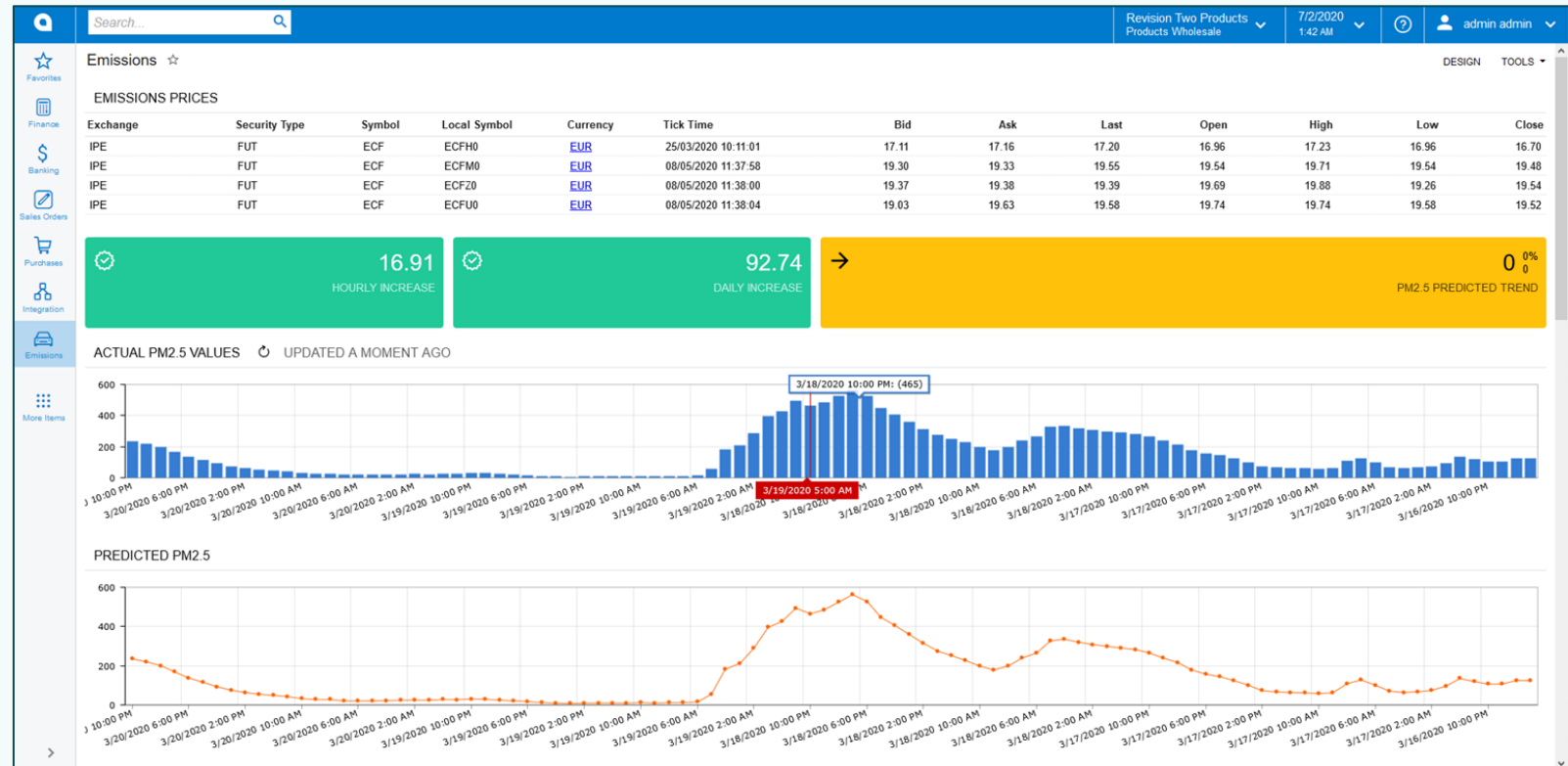


Customer Relationship  
Management



# Inbuilt AI (Case Study – Emissions Trading)

- The dashboard given here enables the management of carbon and other emissions contracts
- Heat maps with real-time emission levels are included
- Prediction of future carbon prices using actual emissions data and proprietary Machine Learning models
- Integrated RSS newsfeed with carbon-related news and sentiment analysis of news
- Trading: API that directly connects to the your brokers trading screen and helps you capitalize on the AI generated trading signals immediately



# Enables Sustainability (case study– eWaste)

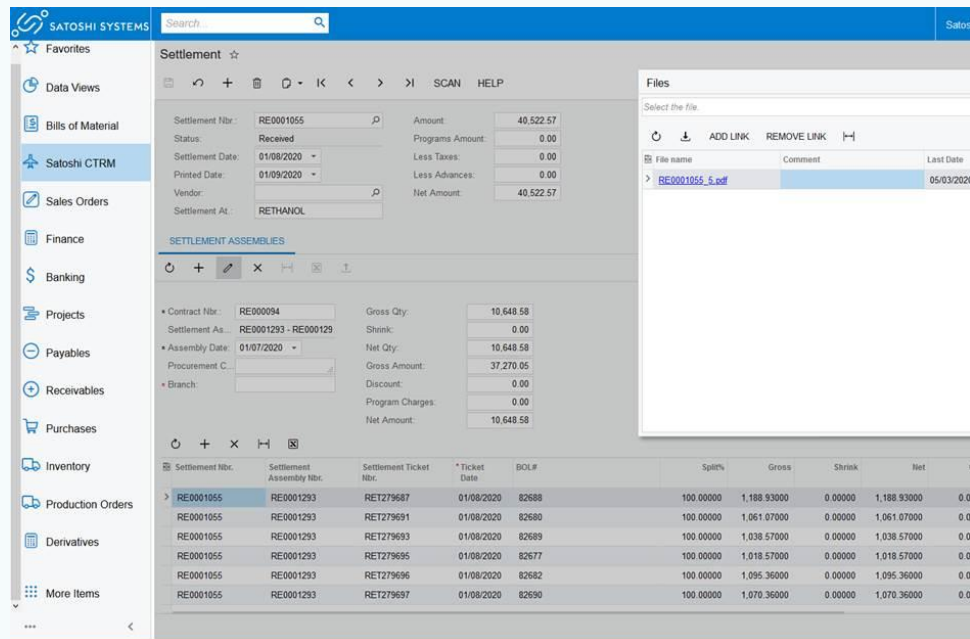
- Minerva is the first Reverse Supply Chain ERP for e-waste and other recyclables, developed in partnership with our Malaysian partner EARTH (Bluebee Technologies)
- The e-waste industry and the recycling sector is an integral part of metals trading
- Through Minerva, management of recyclables is made possible; modules are specifically tailored to companies in the recycling sector
- The platform can be extended to enable trading of precious metals (which are typically found in e-waste) and other metals worldwide
- Minerva allows data collection in a sector where there is data scarcity to date



Source: ITU

# Machine Learning enabled document scanning (case study- INTLFCStone)

- For a large merchant broker, we developed the functionality to scan the pdf documents (Bill of ladings, weighbridge tickets, delivery notes, quality certificates, settlement sheets etc) automatically.
- This was achieved via a proprietary natural language based machine learning algorithm which has been trained via highly contextualized (physical commodity trading) sample set, allowing us to achieve nearly 98% accuracy.
- For the user, it represent not just time saved in manual data entry but also increased control in terms of ensuring that the settlement amount is in alignment with the contractual quality premium/discount terms.



Settlement Sheet

Settlement Number RE0001055  
Printed 1/9/2020 9:00:47 AM

**PureField**  
INGREDIENTS

PureField Ingredients  
1224 E 15th Street  
Russell KS 67665

Settlement Date 1/8/2020  
Settled at RETHANOL

Account Of FCSTONE MERCHANT SERVICES, LLC  
1251 NW BRIARCLIFF PARKWAY, SUITE 800  
KANSAS CITY MO 64116

Assembly #	Assembly Date	Gross Qty	Shrink	Net Qty	Gross Amt	Discounts	Program Chgs	Net Amount
RE0001293	1/7/2020	10,648.58	0.00	10,648.58	537,270.05	50.00	50.00	10,648.58
RE000094	RETHANOL							

Milo

Ticket Number	Date	BOL#	Split %	Gross	Shrink	Net	Ticket Disc	Price Qty	Price
RET279687	1/8/2020	82688	100.00%	1,188.93	0.00	1,188.93	50.00	1,188.93	\$3,500
RET279691	1/8/2020	82680	100.00%	1,061.07	0.00	1,061.07	50.00	1,061.07	\$3,500
RET279693	1/8/2020	82689	100.00%	1,038.57	0.00	1,038.57	50.00	1,038.57	\$3,500
RET279695	1/8/2020	82677	100.00%	1,018.57	0.00	1,018.57	50.00	1,018.57	\$3,500
RET279696	1/8/2020	82682	100.00%	1,095.36	0.00	1,095.36	50.00	1,095.36	\$3,500
RET279697	1/8/2020	82690	100.00%	1,070.36	0.00	1,070.36	50.00	1,070.36	\$3,500

# Partnership Announcement

We are proud to announce our partnership with Acumatica, the world's fastest-growing cloud ERP company.

“MINERVA© is the result of the rich and deep commodity industry experience of the founders of Satoshi Systems Limited and the non-stop development work and investment put in by the entire team at Satoshi Systems.

It's a huge achievement for both our companies. It marks an exciting foray for Acumatica into the heart of international physical commodities trading industry – a \$4.5 trillion sector with relatively modest ERP penetration.”

— Jon Roskill, CEO, Acumatica

Acumatica and IFS form an important part of the Technology, Media and Telecom (TMT) companies owned by EQT Partners (<https://www.eqtgroup.com/>).



Read full release: <https://www.prnewswire.co.uk/news-releases/satoshi-systems-ltd-releases-minerva-c-a-cloud-based-complete-business-management-solution-powered-by-acumatica-for-the-physical-commodity-trading-industry-810379293.html>



# Acumatica Customers

## Services



## Wholesale Distribution



## Manufacturing



## Retail/eCommerce



## Many More...

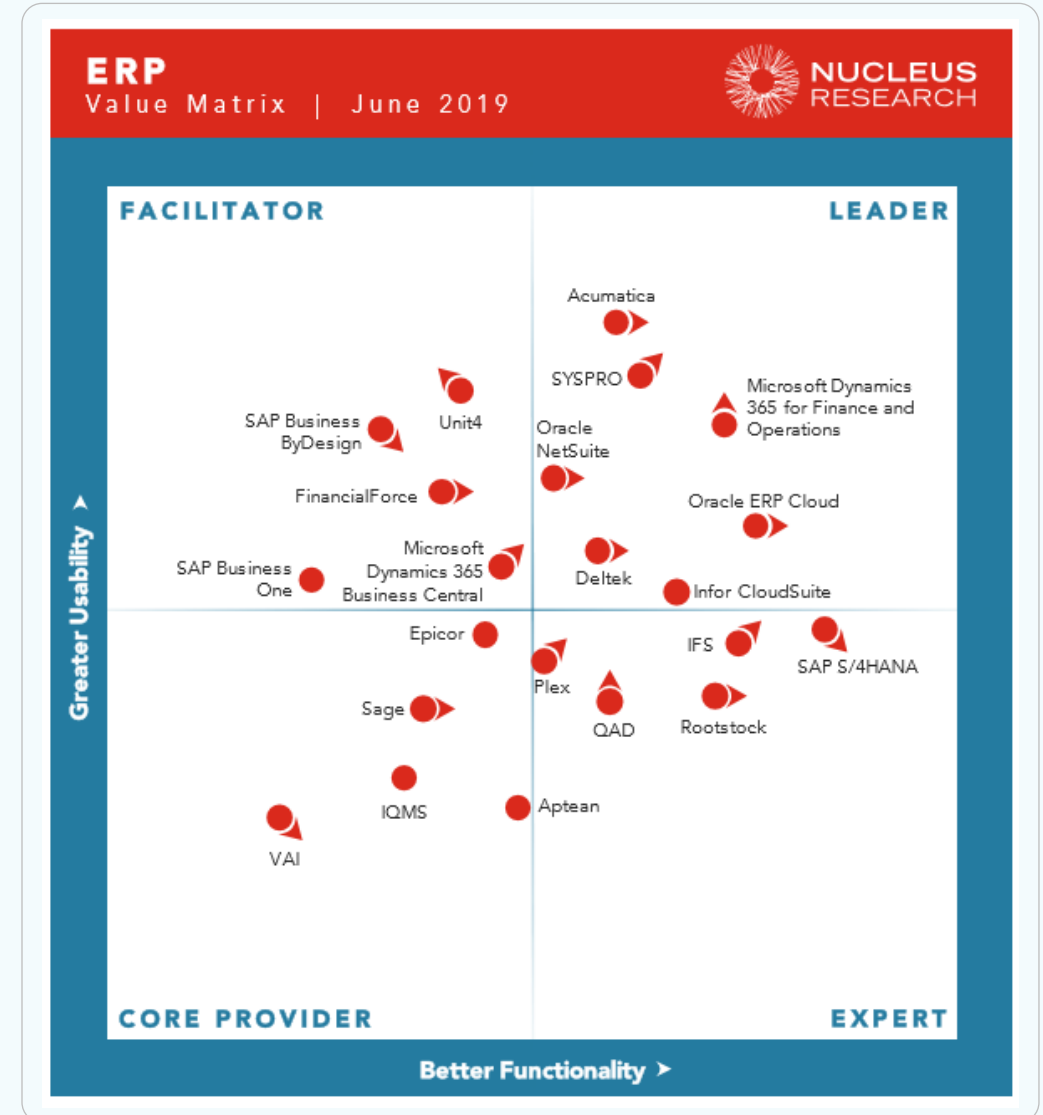




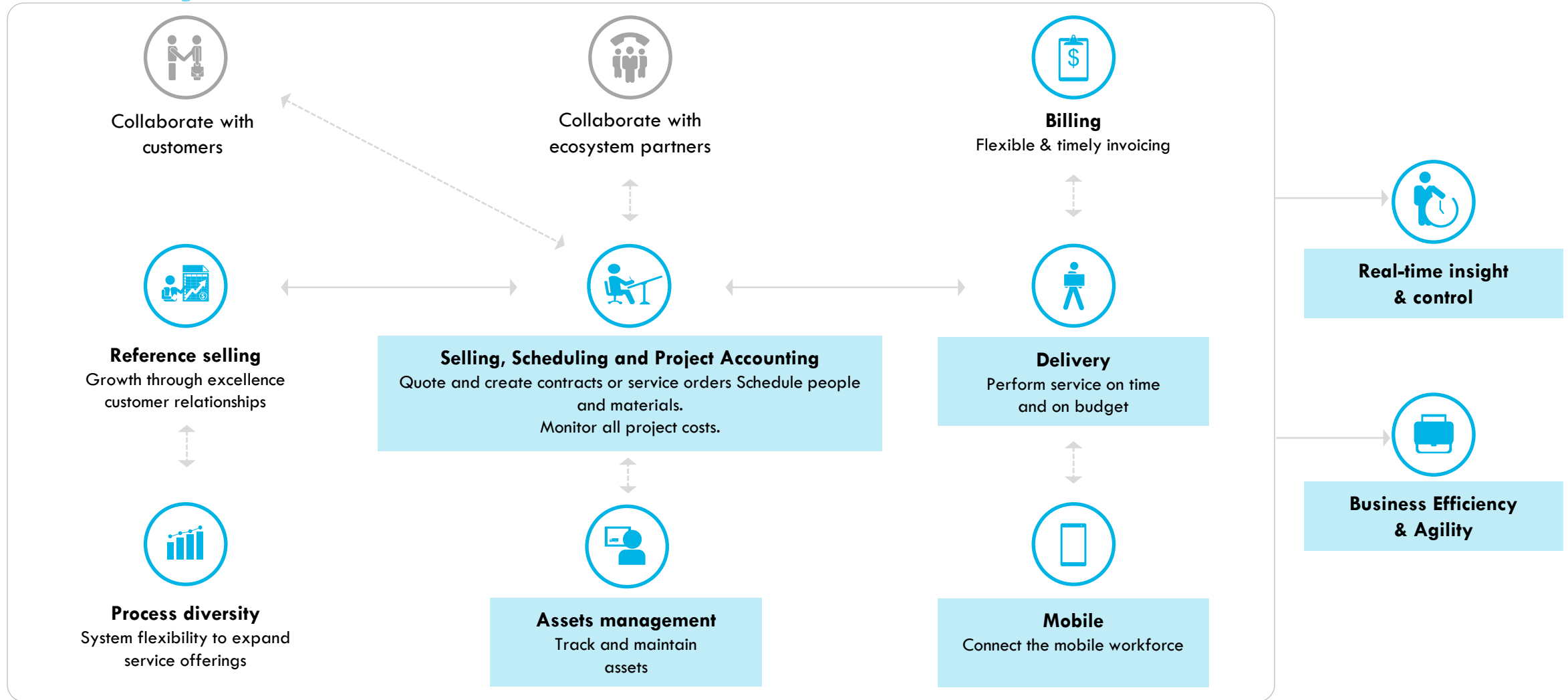
# The ERP Market Landscape

Acumatica ranked the highest in usability.

“The focus on usability and customer value should continue to serve the vendor well in future editions of the Value Matrix.”



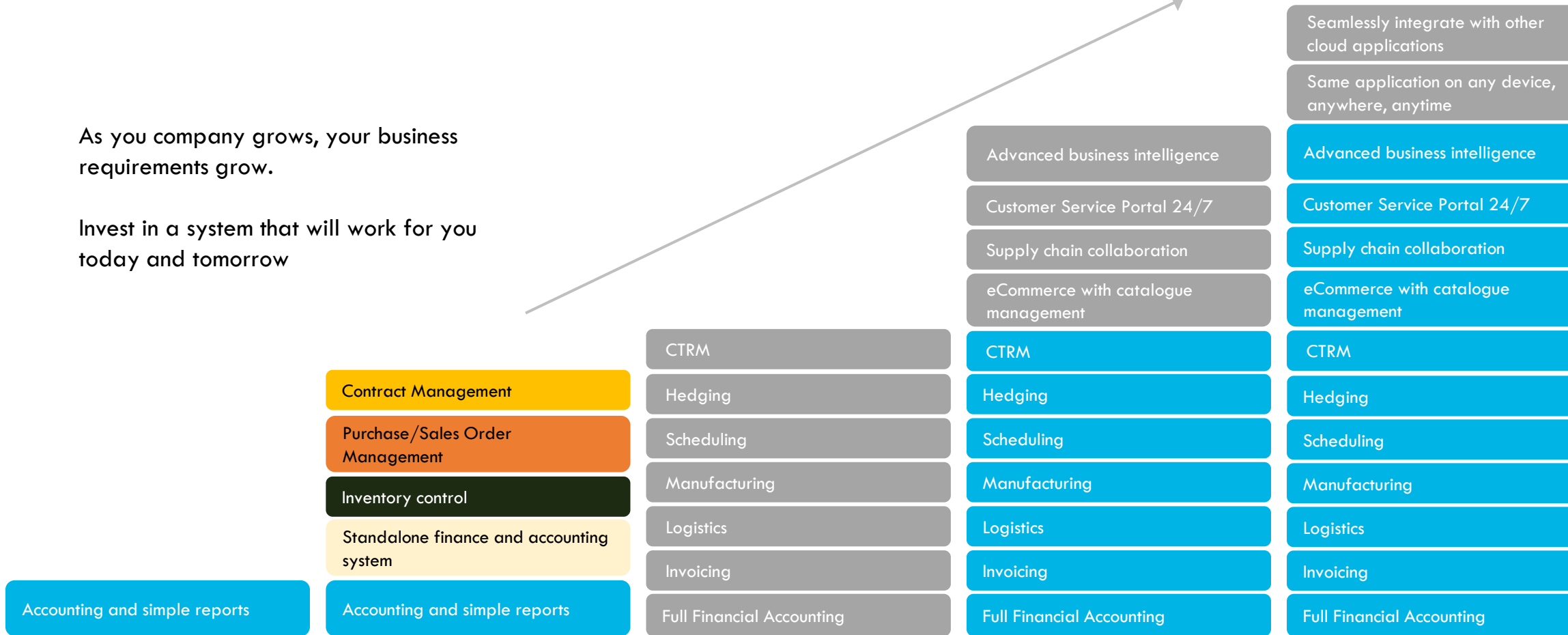
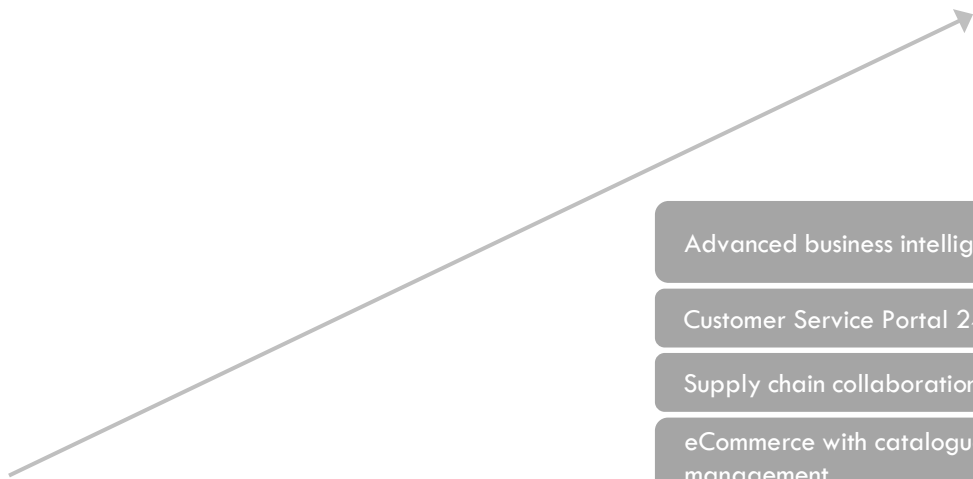
# We cater to all Success factors in Commodity Trading Industry



# We partner with you in your growth journey

As your company grows, your business requirements grow.

Invest in a system that will work for you today and tomorrow



*Disconnected Business*

*Connected Systems*

*Connected People & Processes*

*Connected World*

# Flexible Deployment Model

Deployment options based on customers' needs ...

... and undeniable SaaS benefits

SaaS Solution

Public Cloud



Satoshi Systems Cloud

Licensed on Premise

Customer's office or Datacenter



Satoshi Systems  
Server and  
Database

Licensed in Datacenter

Hosting or Cloud Provider



Satoshi Systems  
Server and  
Database

Lower cost, higher adoption

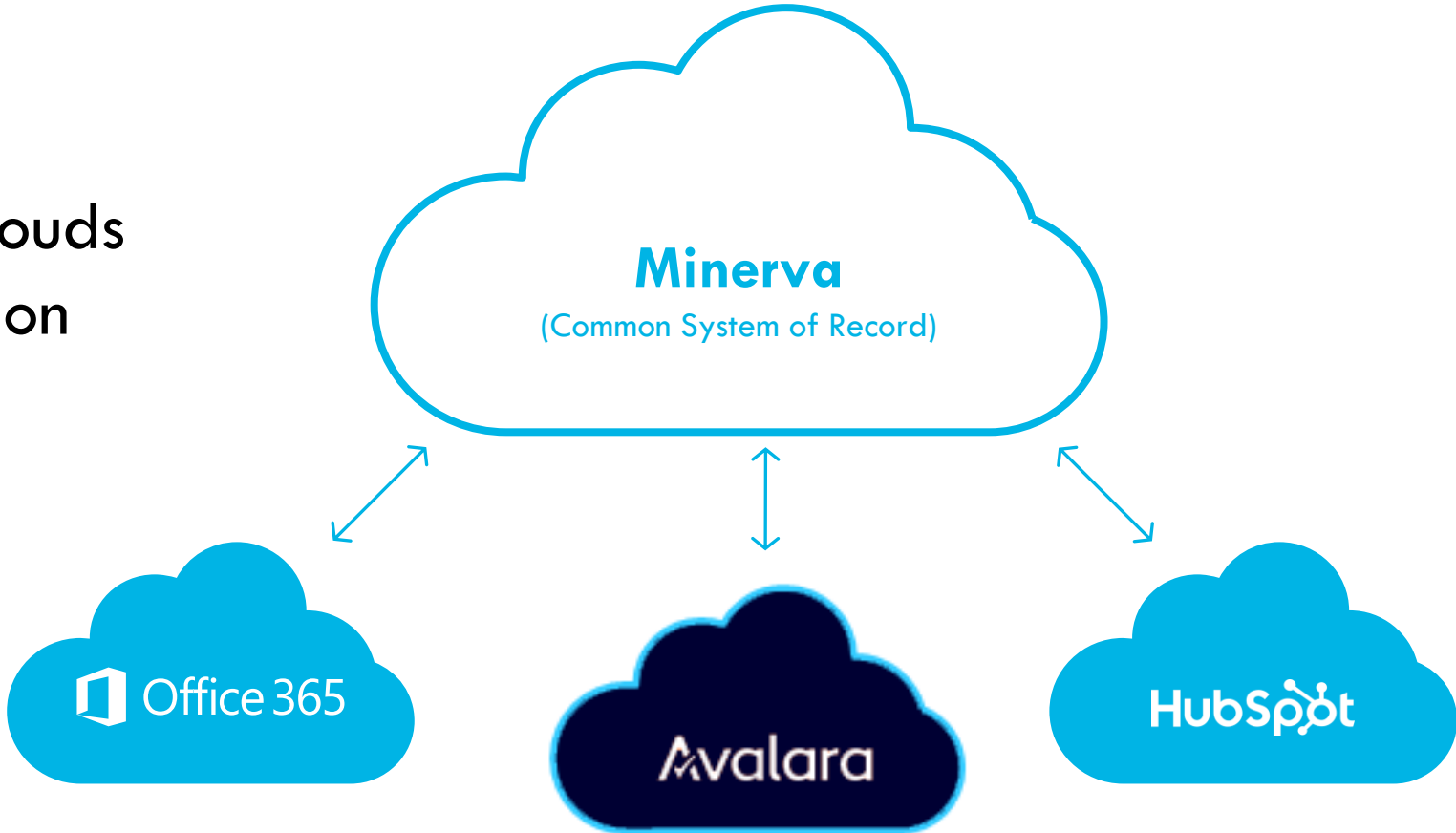
Compliance  
Multizone Disaster Recovery  
Improved Security  
Integration/Scalability

Satoshi Systems Cloud

Cloud on your terms, delivered as you need it

# Connected Cloud Platform

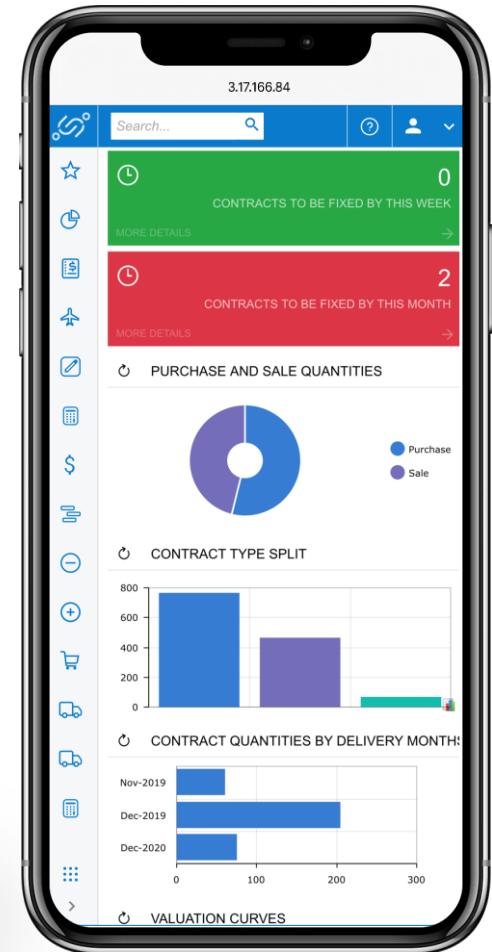
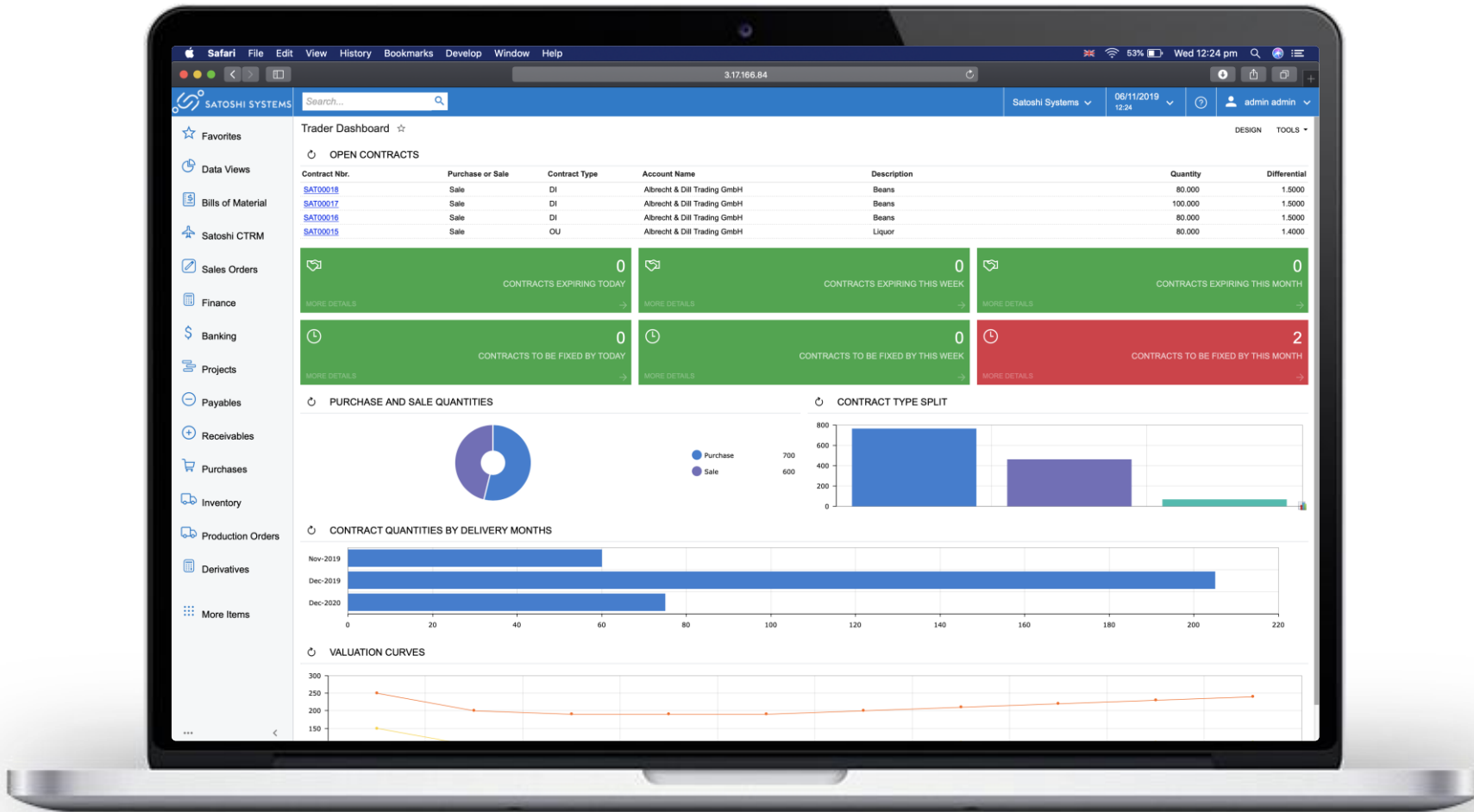
Easily connect to other clouds for increased collaboration and productivity



**Eliminating the Islands of Automation**



# Access from anywhere



# on any device

# Global Reach

## Global force in software innovation

The world's fastest-growing cloud ERP company

Sales and support across the globe



# Who Are We

We are Satoshi Systems, a successful, post revenue fintech start-up comprising of experienced commodity trading, financing, supply chain, legal and tech stalwarts committed to create innovative and sustainable supply chain solutions for the commodity sector with focus on SMEs.



**SAURABH GOYAL**  
Product Architect



**SEEMA GOLEKAR**  
Senior Business Analyst



**TALHA KHAN**  
Chief Technology Officer



**MARTINA STIEGER**  
Project Manager, Sustainability



**SADEGH SALESI**  
Data Scientist



**CAMILLA KARLSEN**  
Associate, Legal documentation



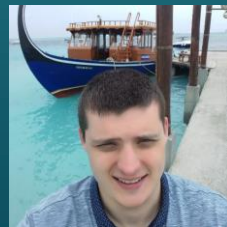
**DAVID LIU**  
Full Stack Developer



**LAURA STOSKUTE**  
Project Manager, Digital



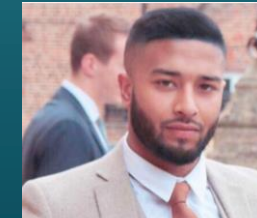
**TARAS VENHER**  
Senior Developer



**IHOR VENHER**  
ERP Developer



**SIAVASH KARIMITARI**  
Associate – Legal affairs



**SABIQ KHAN**  
Developer – Front End

# Our Advisors



**ADI BEN-ARI**  
Chief Technology Advisor



**Dr QINGGANG MENG**  
ML/AI Advisor, Loughborough University



**SHALABH GOYAL**  
Senior DevOps Advisor



**GEOFFREY WYNNE**  
Legal Advisor, Partner at S&W



**Capt. HIMANSHU JOSHI**  
Shipping & Logistics Advisor



**KHAI VUALNAM**  
Commodities Trading & SCM Advisor



**CHRISTOPHE BOURGES**  
Senior Strategic Advisor



**GULRAJ BEHL**  
Director, Board Member

# Get In Touch

More information can be found on our website and please contact us to request a demo.



<https://www.satoshi.ltd>



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