



B&T Solutions-HUB Innovation Exchange

Technologies, Solutions, Processes, Products



M2M Application... ...The Internet of Things



Gold to Go – World's First Gold Vending Vault

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B&T Solutions-HUB Innovation Exchange

GOLD to go
— The gold ATM —

GOLD to go
— The gold ATM —



We feature the fine gold bars of
Wir führen die Goldbarren folgender Hersteller
and other producers / und andere Hersteller



Netozer



1.995

Operated by / betrieben von

EX ORIENTE LUX

gold to go AG
101 Ex Oriente Lux AG
Hindenburgstr. 20
D-53174 Neulohr
Tel. +49 20733 40000

www.gold-to-go.com

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Gold to Go™ demonstrates the integration of RFID, M2M Applications and Internet to showcase World's First Gold Vending Vault...

- **GOLD to go™** is a trading and sales concept which facilitates selling gold bars and coins independently from shop-based display and sales locations. The installation of specially developed gold vending machines (Vaults) reduces expenditures for rooms, staff and storage to a minimum. Gold bars and coins are sold at highly frequented locations. Only locations with very high security standards and good environment variables are considered - like airports, shopping centers with upscale demand, hotels, casinos, cruise liners or banks, jeweler shops, etc.
- **The advantages**
Potential buyers will be encouraged by current prices and instant delivery as well as the attractive appearance of the precious metals in the gold vending machine.
- **The philosophy**
The business philosophy of selling precious metals via gold vending vaults, is to give potent customers a sense of being able to acquire precious metals of highest quality (24 carat) at reasonable prices. Additionally the customer receives a money-back-guarantee. The bargain is largely independent of opening hours and without participation of sales personnel in a pleasant and reputable environment.



...with customized software developed and deployed for secured transaction with real time update of product prices



The software application of the GOLD to goTM Gold Vending Vault is controlled by an internal PC. The PC is connected to the german system-network via secure VPN tunnel. Data connection comprises a stationary LAN.

Functions of the gold vending Vault:

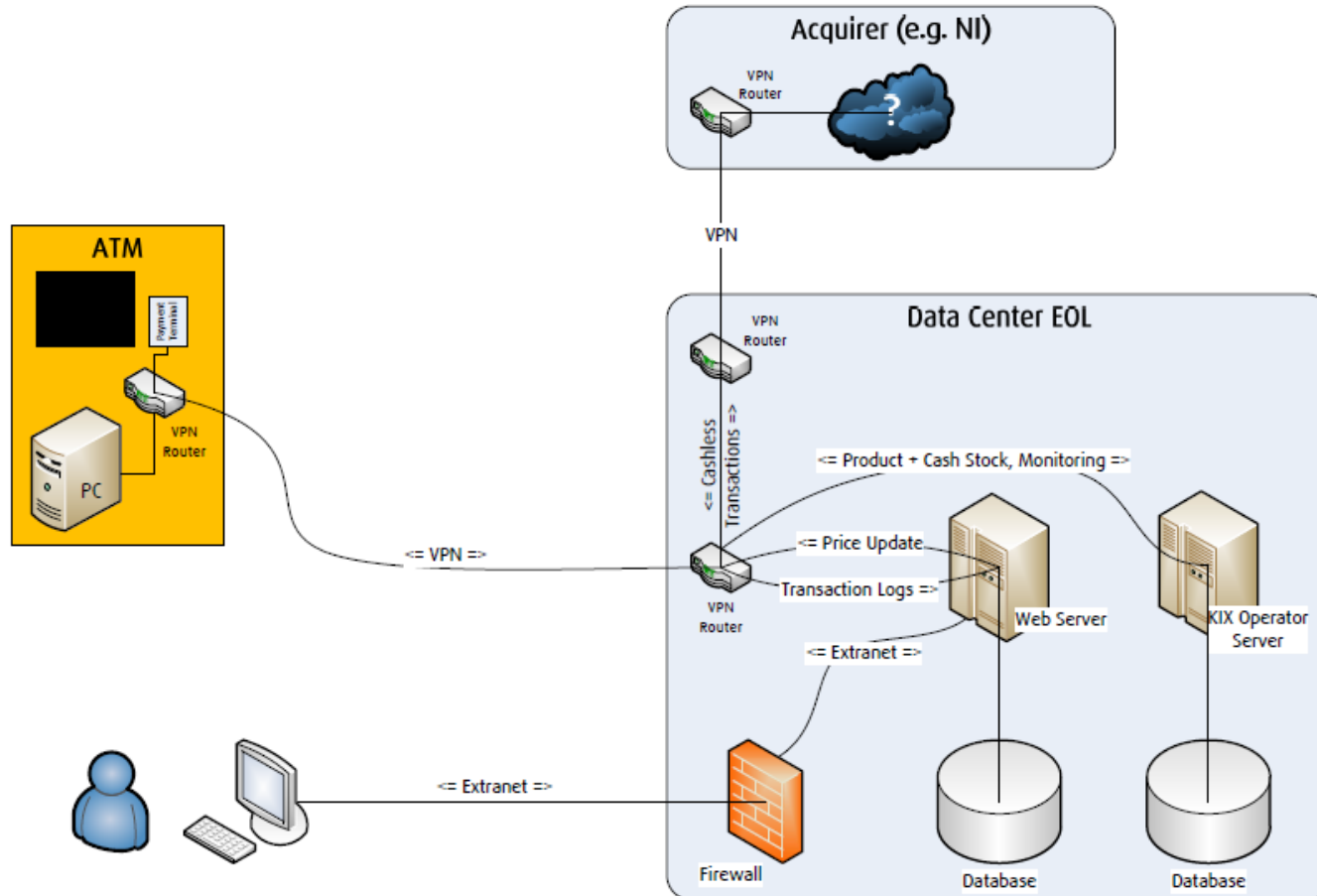
- » Issue of up to 10 different products, max. 384 per Machine
- » Self-explanatory user interface via 19 inch touch screen in local language or multilingual
- » Windowed showcase with a spotlight for selected product, for verification of purchase decision
- » Acceptance of bills and coins in local currency with moneychanger (bills and coins) for cash payments
- » Common credit and check card acceptance (individual per country)
- » Receipt output
- » Money-laundering-prevention and smurfing detection/protection
- » Real-time product prices (5 minute update frequency)
- » Comprehensive security mechanisms for goods issue and charging
- » Video surveillance and Alarm systems

... and the Gold Vending Vault runs on RFID detection technology in-built in the machine..

- » Internet connection via LAN
- » 19 inch touch screen with reinforced glass
- » Illuminated showcase with a spotlight
- » Modern RFID detection in precious gift boxes and product shafts
- » 12 shafts with up to 384 products stored within the machine
- » Monitoring software (turnover etc.) and control software for applications & components
- » Personal ID/passport scanner (money-laundering protection) and camera
- » Check/credit card terminal
- » Cash acceptance module with moneychanger (coins & bills)
- » Receipt printing (products and protocols)
- » Electronic and manual locking system, intrusion prevention
- » UPS against power fluctuations
- » CIT (Cash-in-transit) compliant cash boxes & product shafts (manipulation protected)
- » Advertising screens separately available (optional)
- » Dimensions: 188 x 98 x 74 (height x width x depth, in cm)
- » Weight: up to 500 kg (gold bar housing included)
- » Back wall and/or floor mounting possible
- » Optional: armoring (molybdenum steel)



and connected to the main servers at EOL Data centres in Germany through VPN



With customised tracking, tracing, controlling...

- » Control your GOLD to go™ gold vending machines by high-grade informations from the web-based monitoring software application. Numerous and detailed informations about your gold vending machines network can be obtained at any time and from every place.
- » In case of technical problems during operation, the monitoring software offers a huge amount of controlling possibilities for failure analysis and troubleshooting.

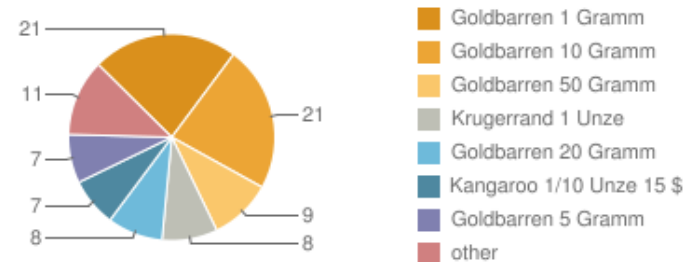


- » Browser work station for support staff
- » Monitoring and controlling of device components
- » Monitoring of network connections and controlling of the operating system (windows) and the PC-resources
- » Monitoring and controlling of the vending machine applications, receipt paper level, hardware components, etc.
- » Data transfer
- » Alarms at occurrence of defined events (i.e. via SMS or eMail)

... and reporting processes

- » Browser accessible login-secured extranet
 - » Tracking of every single transaction, even from a mobile phone
 - » Realtime viewing of daily, weekly, monthly, ytd sales and profit calculations
 - » Monitoring of change levels in ATM

product sales 30 days



transaction id	time	type	input	output	price	DB I	product
4640137560001	2011-04-08 13:51:00	cash sale	700.00 EUR	700.00 EUR	1.007,33 USD	51,54 USD	Goldbarren 20 Gramm
4640137520001	2011-04-08 13:46:00	cash sale	1720.00 EUR	1720.00 EUR	2.469,70 USD	91,16 USD	Goldbarren 50 Gramm

1	11	1	11	8	5	1	7	9	0
Goldbarren 1 Gramm	Goldbarren 5 Gramm	Goldbarren 10 Gramm	Goldbarren 20 Gramm	Goldbarren 50 Gramm	Goldbarren 100 Gramm	Goldbarren 250 Gramm	Kangaroo 1/10 Unze 15 \$	Krugerrand 1 Unze	Goldbarren 2,5 Gramm Faszination
51,00 EUR	189,00 EUR	356,00 EUR	698,00 EUR	1.711,00 EUR	3.418,00 EUR	8.467,00 EUR	126,00 EUR	1.088,00 EUR	100,00 EUR

The Gold to Go Gold Vending vault can hold upto 12 distinct products in secured RFID tagged boxes...

» The GOLD to go™ vending machine is an unmanned point of sale. It offers an extraordinary opportunity to purchase gold bars and coins of assured quality at real-time prices. The gold ATM is largely burglar-proof and tamper-resistant. It has an excellent user guidance, which makes it very easy to handle

Goldbarren 1 Gramm

Goldbarren 5 Gramm

Goldbarren 10 Gramm

Goldbarren 1 Unze

Krugerrand 1/10 Unze

Krugerrand 1/4 Unze

Krugerrand 1 Unze

Maple Leaf 1/10 Unze 5 \$

Kangaroo 1/10 Unze 15 \$

Kangaroo 1 Unze 100 \$



....providing the customers the opportunity to buy certified pure Gold from the World's First Gold Vending Vault anywhere and anytime

- » Location is the center issue for GOLD to go™ vending machines. The proper selection of location is critical for the common success of the licensee and the system center.
- » There are some mandatory conditions that must be met and some, which can – in case of non-compliance be compensated for by the fulfillment of other, particularly favorable conditions. The proper combination of the various criteria will determine the pros and cons of the

Mandatory location criteria are:

- » inside buildings
- » location must have special security (camera surveillance, security service or likewise)
- » electric power supply
- » LAN connection
- » not reachable by heavy vehicles
- » easily accessible for service personnel and licensee



Important, but not mandatory criteria are:

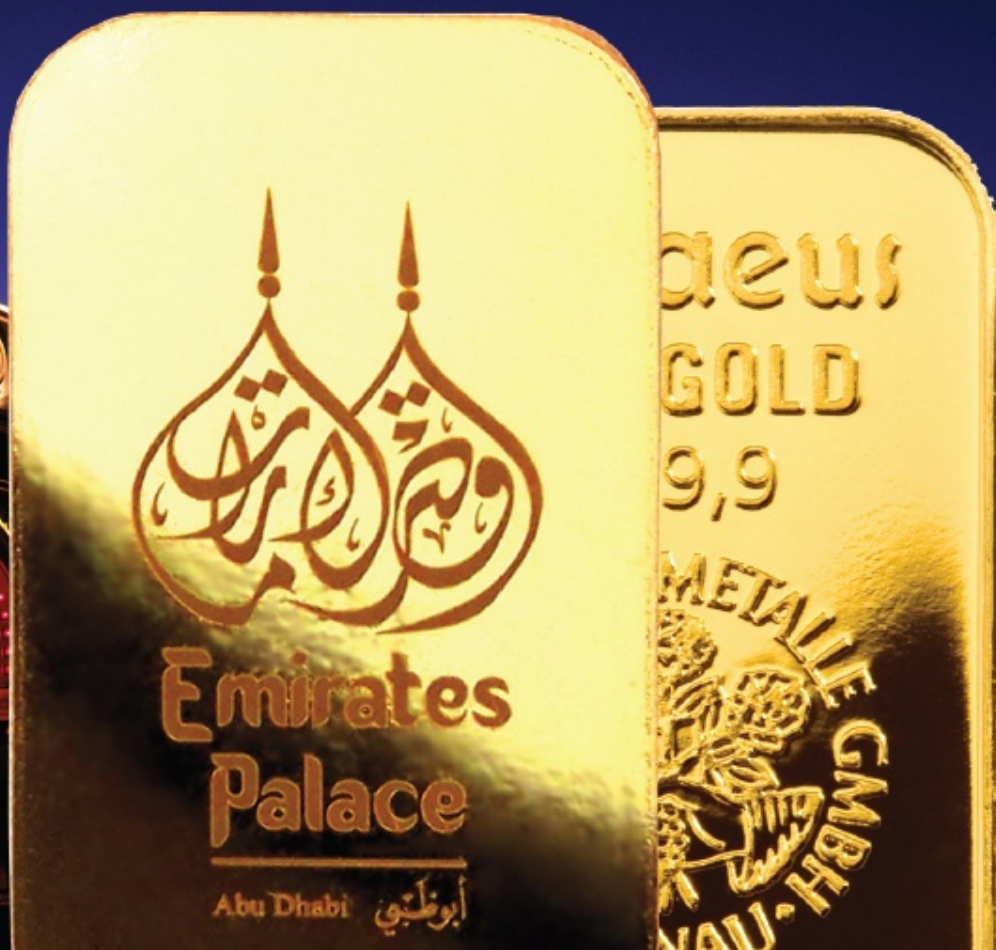
- » inside buildings high attendance by passers-by
- » in view of passers-by and other facilities (vending machines, shops)
- » in view of resting areas (seating)
- » cultivated environment
- » mid-range to high purchasing power level of clientele
- » opportunity of individual advertisement at/close to installation location
- » extended daily accessibility for clientele



Emirates
Palace

Abu Dhabi أبو ظبي

Emirates Palace Special Edition 10 gram & 1 oz. gold bars





COMPANY PROPOSITION

Data is a commodity; each element of data has a price. Data is converted into Information and information is mined. “Data Elements” and “Information Packages” are saved and are communicated . The Challenge is the deployment of Methods and Tools for the Management of Data, the Structuring and Interpretation of Data into usable Information, the communication and the use of the Information for improving and sustaining Life is crucial but expensive, complex, disparate, and ever changing across community boundaries.

Our solutions addresses the needs for Integration of data / information creation, data / information management, data / information recycling, data / information communication technologies, development of the Data and Information building blocks / innovative use of the available technologies and their evolution.

Expression of “Executive, Strategic and Commercial Interest in a Partnership / Collaboration” should be directed to **Tony Wadhawan**. This interest can be for Deployment, for Technology, for Manufacturing, for Financial (Commercial) partnership or for partnership that is Specific to project/s and could be in the form of: Joint Ventures / Partnership/s / License Agreements Franchisee Agreements, not limited to one Country / Region.

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