

Potevio

中国普天

Government of China

COMMUNICATIONS

INDUSTRIAL APPLICATIONS

BROADCASTING

www.potevio-mena.com

“Communication, Implementation, and Performance”

Company Overview

- Hundred years' history
- Backbone for China's information network
- Earlier, part of China Posts & Telecommunications Industry Corporation (PTT)
- Potevio a 100% state-owned - Government of China company
- Over 20,000 employees and 2008 revenues of US\$6 billion
- Potevio now has a regional HQ in Dubai

Profile

Eastcom Tower



- 1958 – established as Hangzhou Communications Equipment Factory from the Ministry of Posts and Telecommunications.
- 1996 – renamed to Eastern Communications Group Co.,Ltd., and issued A and B shares on the Shanghai Stock Exchange.
- Own national enterprise technology center since 1996.
- Employees: more than 4000 and growing.

Manufacturing Base



- R & D and manufacturing base in Paradise Silicon Valley, Hangzhou.
- Covers an area of nearly 500 acres and a total constructed area of 180,000 square meters.
- All in one scientific research, production industry and tourism

Main Products Lines



Financial Business Division

- Employees 600 and growing .
- R & D center: more than 150 .
- Partners in research with Zhejiang University, Zhejiang University of Technology, the Great Wall of Electrical and Mechanical Services, Hitachi etc .
- Professional product lines:
 - ATM ▪ Self-service enquiry machines
 - POS ▪ Software solutions, etc.

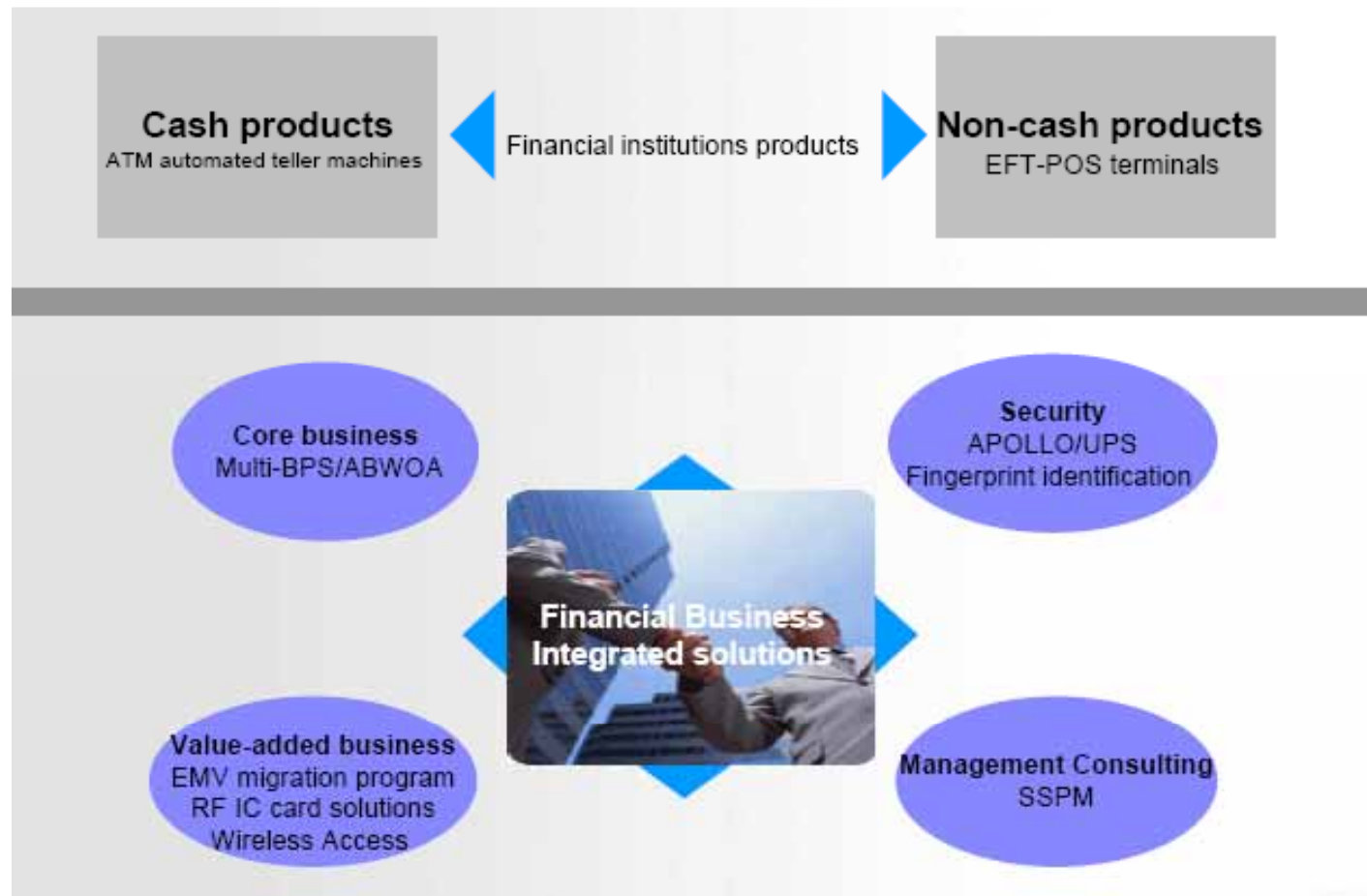


Milestone



Products & Solutions

Products & Solutions



Cash Products – Super Features



Convenient
maintenance

Powerful intend
capability

Cost-effective
Professional Design

Vivid user interface
with large size TFT LCD



Cash Products

Cash Products

- Potevio 8100 - TTW ATM for outdoors

- Potevio 8000 - Hall ATM for indoors

Cash Products

Potevio 8100 - TTW ATM for outdoors

Potevio 8100 - TTW ATM for outdoors



POTEVIO 8100 Configuration

SYSTEM CONTROL

Industrial Computer

Max. RAM: 2GB

Max. Display RAM: 64M

Double displays with VGA, LVDS, DVI ports

10 × RS232 ports, 6 × USB2.0 ports, 3 × PCI sockets

DISPLAY MODULE

Main display module:

12.1" TFT LCD VGA (1024×768) with protective glass

Operation panel:

8.4" TFT LCD LVDS (800×600)

DISPLAY MODULE OPTIONS

Touch screen

Privacy screen

Sunlight visibility function



POTEVIO 8100 Configuration

KETBOARD

Standard EPP keyboard
Visa PCI compliant
Double 4*4 S/S function keys
PINPAD

KETBOARD OPTIONS

EDM module
Braille Keyboard
Privacy protected pad cover

CARD MODULE

Automatic Hybrid card reader
EMV 2000 Certified
Auto card withdrawing/retrieval at power-off
Standard IC card read/write
Card collecting box

CARD MODULE OPTIONS

SCR module
Contactless IC card reader (optional)

CASH DISPENSING

Notes out in pads
Standard configuration: 2 cassettes (up to 4 cassettes)
3000 notes in each cassette
Up to 100 notes per transaction
Cash-out speed: 7pcs/second
Separate RR cassette with 300 notes
Cassette with a lock

ENVIRONMENT

Operating temperature: 0°C - +45°C
-30 - +45°C (with temperature controller)
Humidity: 20% - 95%

POTEVIO 8100 Configuration

SECURITY SYSTEM

System control industrial computer with a lock
Electronic cabinet with a lock
Safe with mechanism and encryption lock suited for UL291

OTHERS

Authorized password protection and change

SECURITY SYSTEM OPTIONS

Heat/shock sensor
3 x Video surveillance modules
Smart UPS module

PRINTING MODULE

Receipt printer (thermal printing)
USB port with 160mm paper rolls
Log printer (stylus printing))
RS232 port with 180mm paper rolls



POTEVIO 8100 Configuration

OTHERS

Backlight logo
Info panel for card symbols
Loud speakers/headset
Bag rest

OPERATING SYSTEM

Windows XP

APPLICATION SOFTWARE

ABWOA Software platform
ISO 8583
NDC
DDC
Web C
CEN/XFS 2.0/3.0

POWER SUPPLY

Voltage: 220-220x15% - 220+220x10%
Frequency: 50HZ

DIMENSIONS

615mm(Width) × 1575mm(Height) ×
880mm(Depth)



China Post banks solutions



Main parts supplier list

Cash Dispenser	 DeLaRue
Industrial PC	 <i>Trusted ePlatform Services</i> 
Card Reader	 欧姆龙 <i>Sensing tomorrow™</i>
LCD	 
Monitor Module	 
Printer	
Barcode Reader	

Cash Products

Potevio 8000 - Hall ATM for indoors

Potevio 8000 - Hall ATM for indoors



Agricultural solutions



PT 8000FL – Lobby Type Configuration

SYSTEM CONTROL

Industrial Computer

Max. RAM: 2GB

Max. Display RAM: 64M

Double displays with VGA, LVDS

10 × RS232 ports, 6 × USB2.0 ports, 3 × PCI sockets

DISPLAY MODULE

Main display module

15" TFT LCD VGA (1024×768) with protective glass

Sunlight readable screen

OPTIONS

Privacy screen

KETBOARD

Standard EPP keyboard

Visa PCI compliant

Double 4*4 S/S function keys



PT 8000FL – Lobby Type Configuration

OPTIONS

EDM module
Braille Keyboard

CARD MODULE

Automatic Hybrid card reader
EMV 2000 Certified
Standard IC card read/write (ISO7816)

OPTIONS

Contactless IC card reader

CASH DISPENSING

Notes out in pads
Standard configuration: 2 cassettes (up to 4 cassettes)
3000 notes in each cassette
Up to 100 notes per transaction
Cash-out speed: 7pcs/second
Separate RR cassette with 300 notes
Cassette with a lock



DIMENSIONS

600mm(Width) × 1546mm(Height) ×
876mm(Depth)

PT 8000FL – Lobby Type Configuration

SECURITY SYSTEM

UL291 compliant
Authorized key protection

OPTIONS

Heat/shock sensor
3 x Video surveillance modules
Smart UPS module

PRINTING MODULE

Receipt printer (thermal printing)
USB port with 160mm paper rolls
Log printer (stylus printing))
RS232 port with 180mm paper rolls

OTHERS

Backlight logo
Loud speakers/headset

OPERATING SYSTEM

Windows XP

APPLICATION SOFTWARE

NDC
DDC
ABWOA
ISO 8583
Web C
CEN/XFS 2.0/3.0

POWER SUPPLY

Voltage: 220-220x15% - 220+220x10%
Frequency: 50HZ

ENVIRONMENT

Operating temperature: 0°C - +40°C
Humidity: 20% - 95%

Main parts supplier list

Cash Dispenser	 DeLaRue
Industrial PC	 <i>Trusted ePlatform Services</i> 
Card Reader	 <i>Sensing tomorrow™</i>
LCD	 
Monitor Module	 
Printer	
Barcode Reader	

Key Features

- Local Language support
- EMV2000 Standard complied
- EPP keyboard, hardware encryption
- Support Triple DES encryptions
- Support ISO standard:ISO9564—1,
ISO13491—1, ISO13491—2
- Ergonomic & Modular design
- Smart UPS protection
- Built-in video monitor
- Compact Size



Key Features

- Nice streamlined designs
- Light and Braille instructions at all important operation area, convenient for people with special needs
- Multimedia Speaker
- Riot all-steel panels
- Energy-saving design, saving power more than 30% than similar products
- ISO14001 environmental certification complies
- Reliable Performance
- Flexible Connectivity



Non – cash Product

Non - Cash Product - EFT POS



Cable EASTpos



Wireless EASTlight



ECP-211 Recommend!

Non - Cash Product

Portable Wireless POS Terminal - EASTlight

Portable Wireless POS Terminal - EASTlight



“Fast & Safe transaction anytime anywhere”

Overview

EASTCOM provides a new electronic transaction terminal called “EASTlight”.

It's a compact and portable wireless “POINT OF SALES” terminal, which adopts wireless modem (CDMA or GSM/GPRS modem) , and is provided with magnetic stripe reader, smart-card reader, thermal printer, LCD screen, PIN PAD, rechargeable battery pack, telephoning and SMS function all included.

However it not only can be used as mobile phone with headset, but also be used as mobile merchants, tradesmen, delivery services, and so on. It is ideally suited to improved customer service.

Features

- Palm-size compact Mobile POS terminal
- Mobile Phone communication with optional headset kit
- Built in GSM /GPRS or CDMA wireless POS terminal
- Quiet, trustworthy built in high speed thermal printer
- Faster transaction times (3-5seconds)
- One touch paper setting function, easy loading and fast printer
- Magnetic stripe reader and IC card reader for smart cards
- Large-sized removable lithium-Polymer battery (Using time: More than 40Hrs standing by)
- Securely run multiple payment types and value added applications

Certification

- EMV Level 1 & Level 2
- ISO9001 quality management system certificate
- China compulsory certificate
- POS terminal of MS card for PBOC and China union pay of testing certification

Non - Cash Product

ECP-211

Overview

ECP-211 is a dependable cost-effective payment solution in compliance with EMV and PCI PED standards. It is best described as a compact, extensible, user friendly and easily managed device that commits to establish the most reliable and secure card transaction environment.

Standard configuration

- Microprocessor :32 ARM7 CPU
- Standard memory
 - SDRAM: 8MB SRAM: 256KB Flash: 2MB
- Modem: asynchronous 2400 bps, synchronous 1200 & 2400 bps
- Power
 - Exchanges : 100V ~ 240V 50/60Hz
 - DC : 8V/3A
- LCD display:128 X 64 dot-matrix display image
- Magnetic stripe reader : ISO 2 & 3 track or ISO1&2 track
- Literacy rate: 10 to 150 cm / sec
- RS232 port: connect the keyboard password
- RS232 port: connecting bar code reader or ECR
- 2 RJ11 phone interface



Technical Specifications

Standard Configuration

Processor

- RISC 32bit(ARM 7)

Memory

- SDRAM8MB (Option Up to 32MB)
- SRAM256KB (Option Up to 512KB)
- Flash 2MB (Option Up to 8MB)

Keypad

- 19keys

Security Access Module(SAM)

- 2 (Option Up to 4)

Modem

- Async:2,400bps (OptionUpto33.6Kbps)
- Sync: 1200, 2400bps

Peripheral ports

- Standard
RS232×2
Telco×2
USB slave×1
- Ethernet (Option)
RS232×2
Telco×2
LAN×1
USB slave×1

Printer

- 2 inches thermal
- 28lines/sec
- Clamshell paper loading

Technical Specifications

Power

- Input AC 100V~240V,50/60Hz
- Option: DC 8.0V/3.0A

Physical dimensions

- 110mm (W) ×248mm(L)×91mm(H)

Weight

- 655g

Software Environment

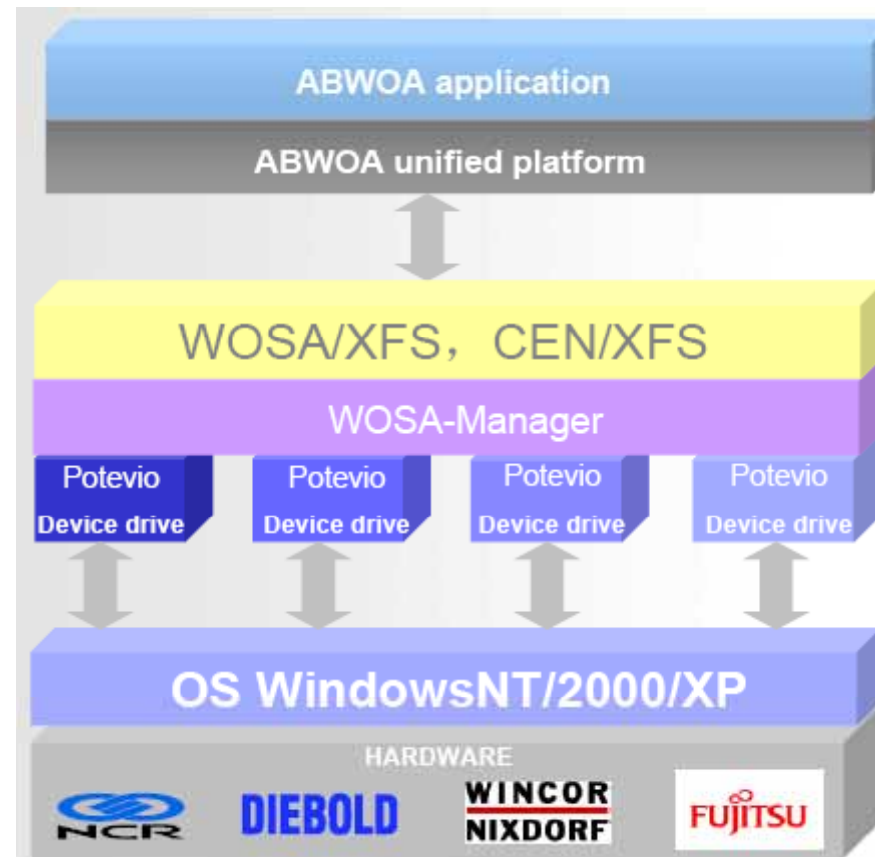
CyberAPI

Cyber Works

Financial Solutions



Unified development platform system (ABWOA)

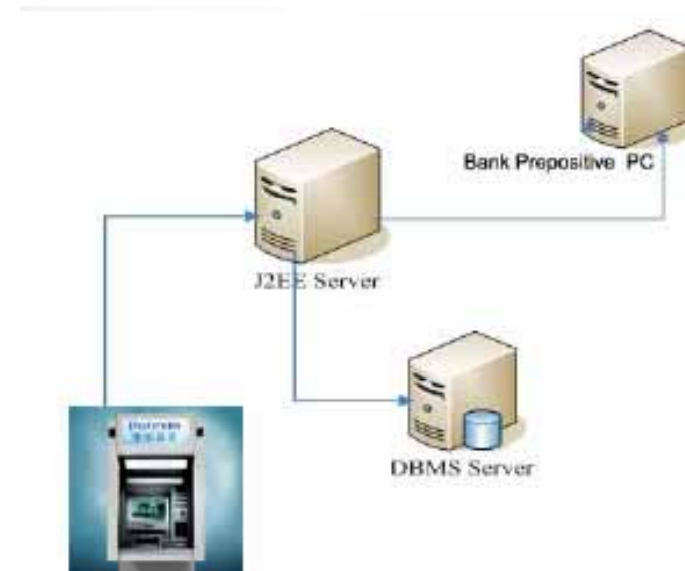


Unified development platform system (ABWOA)

Wireless Access

- Provide wireless access through CDMA, GSM, WiMax,WiFi etc.
- Best choice: CDMA 1X
 - High speed;
 - High stability, low cost;
 - High security (data encryption);
 - Long transmission distance;
 - High adaptability.

WebC Network Topology



Based on B/S structure

Security

Smart UPS



- Voltage stabilization
- Power off protection
- Auto power on/shutdown
- No need of manual intervention
- Long service life.

Fingerprint Identification



- Uniqueness
- Stable
- High security endurance

Apollo Video Monitor



5.6" TFT LCD,
with keyboard & USB



Clear and friendly interface



Full metal protection (optional)

Measures to curb financial crimes

Types of financial crimes	Modes of common financial crimes	Security technology
CDM related	<ul style="list-style-type: none"> -Pry open the cash exit or cut the belt -Fraud through ill-willed recollection 	<ul style="list-style-type: none"> -Motor control cash exit & mechanical arm -Separated design of the rejected note box
Card related	<ul style="list-style-type: none"> -Install a fake IDC -Install Lebanon knot and other devices, and then steal the card 	<ul style="list-style-type: none"> -Embedded design of the card slit -Sundries-proof design of the IDC -Z-shaped card inserting -EMV2000 migration
Pad related	<ul style="list-style-type: none"> -Stick a fake pad film -Long-press a key -Install a wireless camera -Peeping -Hacker technology 	<ul style="list-style-type: none"> -Bulging design of the pad -ATMC anti long-pressing design -RF interferer -Privacy protection -3DES encryption

Self-service terminal operation and management system (SSP Manager)



Sales & Marketing

Global market



- Subsidiary company: Eastcom Nigeria, Eastcom Singapore
- Vietnam offices (under establishment)
- Products sold to the United States, Japan, Russia, France, Finland, Sweden, Norway, Britain, United Arab Emirates, Yemen, India, Iran, Pakistan, Indonesia, Vietnam, South Africa, Nigeria, Ethiopia, Zimbabwe, Angola, Brazil, Cuba, Colombia, Venezuela, etc.

Major Financial Customers in China



Today, there are more than 14,000 self-service equipments used in ICBC, the Agricultural Bank, the Post Bank, China Everbright Bank, etc occupying a market share about 12% of Chinese market.

Reliability

Cooperation Partner

Long-term cooperation with worldwide famous electronic and components manufacturers

Cash Dispenser	 DeLaRue
Industrial PC	 <i>Trusted ePlatform Services</i> 
Card Reader	 <i>Sensing tomorrow™</i>
LCD	 
Monitor Module	 
Printer	
Barcode Reader	

Lab Equipments



Lab Equipment



Temperature testing equipment

Certificates

- EMV2000
- PBOC2.0
- EPP VISA PCI
- CMMI
- U.S. FCC etc
- UL291



International Organization

- ATMIA: core member
- CEN / XFS: core member

Certificates



Lab Quality Certificate



SMTA Certificate



ISO9001:2000 Certificate



3C Certificate



Occupational health&safety
Management system



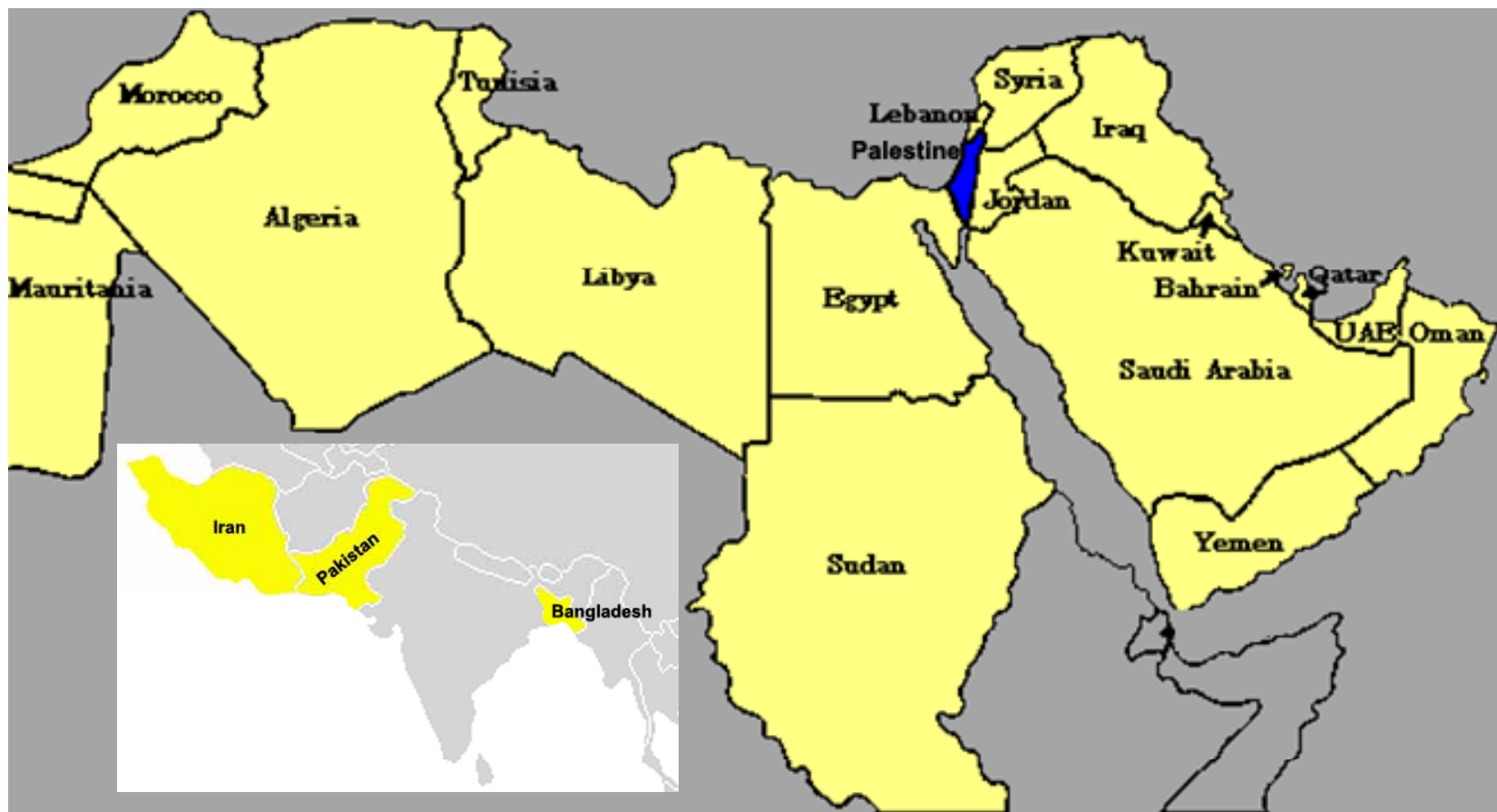
Environment Management
System Certificate

Summary



PIME Presence

22 Countries



International Presence



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Thank You