



**ATHEXGROUP**  
Athens Exchange Group

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# Digital Signatures

by ATHEX Trust Services

## Speakers

**John Balafas**, Head of IT Infrastructure Business Development & Trust Services SubDivision

**Anna Evlogimenou**, Head of ATHEX Digital Signatures

**Nikos Skarvelakis**, Project Manager, IT Infrastructure Business Development & Trust Services

**The secure way to sign on the go  
anytime, anywhere**

# Agenda

## **1. ATHEX Trust Services Center.**

- I. Overview and Basic Milestones.
- II. Member of Qualified Trust Service Providers (QTSPs) - eIDAS compliant.
- III. Qualified Trust Service Providers (QTSPs) in Greece.
- IV. Certifications

## **2. Portfolio of Services.**

## **3. Applications of using Qualified Digital Signatures.**

## **4. Projects in Digital Signatures / Prove of experience.**

## **5. Why ATHEX Trust Services.**

## **6. Connect with us.**



# ATHEX Trust Services Center

## Overview and Basic Milestones

- 1** **May 2001:** Installation of a Public Key Infrastructure (PKI) system in order for ATHEX to operate as a 'voluntary accredited' certification body - CA provider according to PD 150/2001 and the Regulation 248/71 of the Greek CAB (E.E.T.T)
- 2** **May 2002:** Successful Compliance Audit
- 3** **June 2002:** Start of operation and gradually until Sep 2002 the only communication channel between ATHEX and Listed Companies
- 4**
  - ✓ **July 2017:** Start of operation as a Qualified Trusted Service Provider (QTSP), according to the **European eIDAS Regulation** (910/2014)
  - ✓ **7/2017 - present:** Qualified Certificates for Electronic Signatures
  - ✓ **8/2017 - present:** provisioning of Qualified Electronic Timestamps
  - ✓ **8/2017 - present:** provisioning of Qualified Certificates for website authentication
  - ✓ **2/2018 - present:** Qualified Certificates for Electronic Seals

# ATHEX Trust Services Center

## Member of Qualified Trust Service Providers (QTSPs) - eIDAS compliant (1)

### Certificates provided:

- Qualified Certificates for **electronic Signatures** (QCert for ESig)
- Qualified Certificates for **Web Site Authentication** (QWAC)
- Qualified Certificates for **PSD2 transactions**
- Qualified **Timestamping** (QTimestamp)
- Qualified Certificates for **electronic Seals** (QCert for ESeal)



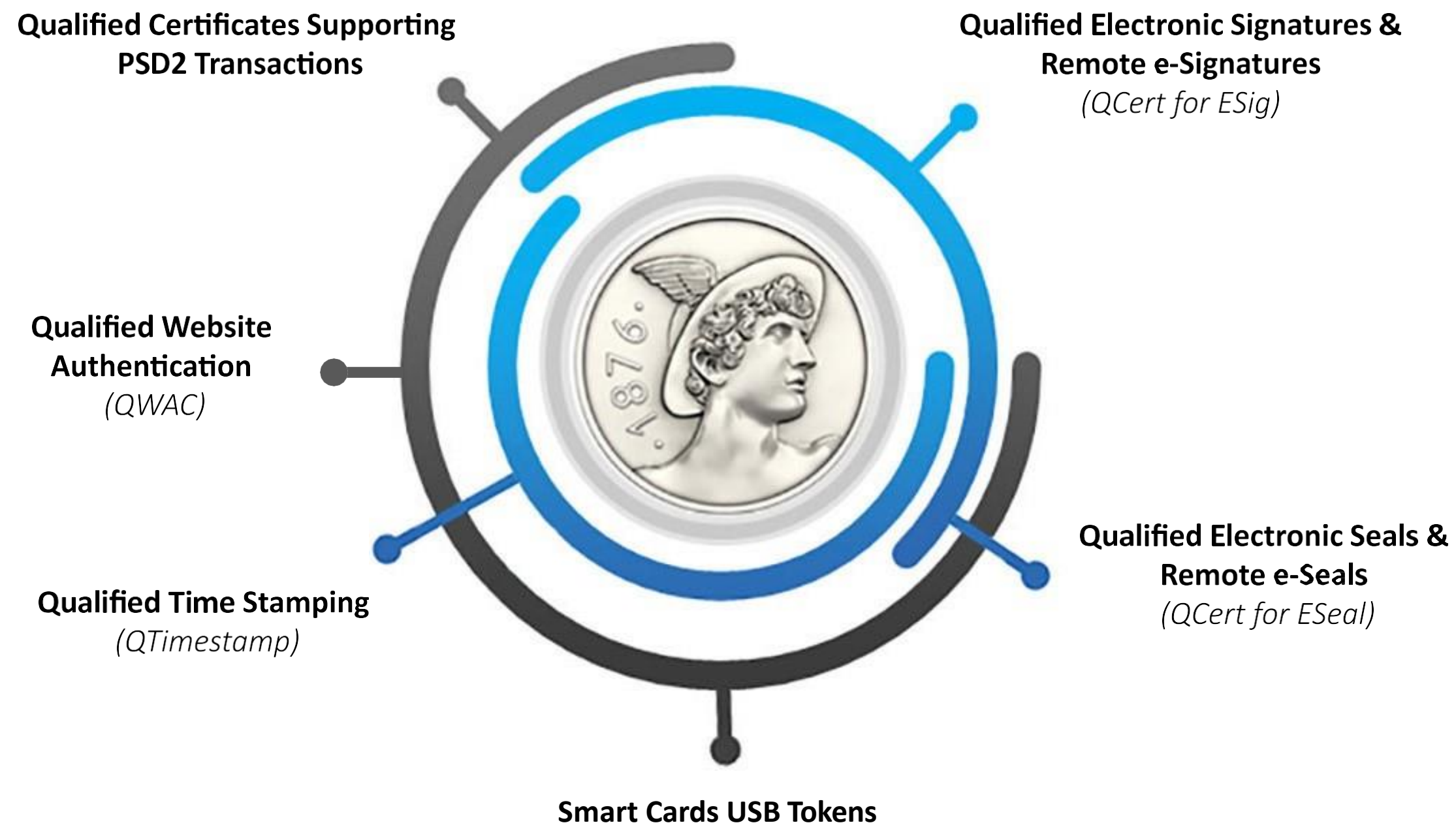
### QSCD/QSSD

- ✓ SmartCard
  - ✓ USB
  - ✓ "As a Service"
- Remote Signatures

# ATHEX Trust Services Center

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## Member of Qualified Trust Service Providers (QTSPs) – eIDAS compliant (2)




# ATHEX Trust Services Center

## Qualified Trust Service Providers (QTSPs) in Greece

Athens Stock Exchange is the **only Trust Service Provider in Greek Private sector**, with the most International (eIDAS) Certifications

Source : <https://webgate.ec.europa.eu/tl-browser/#/tl/EL>




### Trusted List Browser

Tool to browse the national eIDAS Trusted Lists and the EU List of eIDAS Trusted Lists (LOTL).

Menu ▾

European Commission > CEF Digital > eSignature > Trusted List Browser > Greece



## Trusted List Greece

### Trust service providers

Currently active trust service providers

ADACOM ADVANCED INTERNET APPLICATIONS S.A.

QCert for ESig

QCert for ESeal

QTimestamp

BYTE Computer S.A.

QCert for ESig

QCert for ESeal

QTimestamp

Greek Universities Network (GUnet)

QCert for ESig

QCert for ESeal

QWAC

QTimestamp

HELLENIC EXCHANGES - ATHENS STOCK EXCHANGE SA

QCert for ESig

QCert for ESeal


QWAC

QTimestamp

HELLENIC PUBLIC ADMINISTRATION CERTIFICATION AUTHORITY

QCert for ESig

Cert for ESig




### Trusted List Browser

Tool to browse the national eIDAS Trusted Lists and the EU List of eIDAS Trusted Lists (LOTL).

Menu ▾

European Commission > CEF Digital > eSignature > Trusted List Browser > Greece > Trust service provider



## HELLENIC EXCHANGES - ATHENS STOCK EXCHANGE SA

### Trust services

QCert for ESig

Qualified certificate for electronic signature

▾

QCert for ESeal

Qualified certificate for electronic seal

▾

QWAC

Qualified certificate for website authentication

▾

QTimestamp

Qualified time stamp

▾



# ATHEX Trust Services Center

## Certifications

*ATHEX Trust Services Infrastructure is certified according to the following standards:*

**ISO 9001** – Quality Management System

**ISO 27001** – Information Security Management System

**ISO 22301** – Business Continuity Management System



**ISO 9001**



**ISO 27001**



**ISO 22301**



# Portfolio of Services

## 1. Qualified Signature for Natural Person

- Issued exclusively for Natural Person.
- Has Legal Validity of Signature.
- The Subscriber may use it in any electronic transaction he/she wishes or is required to make legally binding.
- Identification of the natural person is required.

## 2. Qualified Electronic Signature for Natural Person associated with Legal Person

- Issued to Natural Person associated with the Legal Person and signs on behalf of the company.
- The Certificate is a property of the Company, which is also responsible to revoke the certificate in case the Natural Person loses the authority to act on behalf of the legal person.
- It is required the validation of the Legal Person as well as Natural Person and his/her position within the organization.

## 3. Qualified Electronic Seal for Legal Person

- Issued to Legal Person.
- It is required the validation of the Legal Person and Legal Representative.

## 4. Remote Qualified Electronic Signature for Natural Person associated with Legal Person

- Issued to Natural Person associated with the Legal Person and signs on behalf of the company.
- Ability to sign from all devices (pc, laptop, tablet, smartphone).
- No additional software or device required.

## 5. Qualified Signature/eSeal natural/Legal Person as a B2B Service

- Integration of services to third party applications.
- Provision of Professional Services.





# Applications of using Qualified Digital Signatures

- *Document signing*
- *Remote e-signatures*
- *Domain Authentication, E-Mail signing*
- *PSD2 transactions*
- *Code signing*
- *Machine authentication*
- *Data encryption*



# Projects in Digital Signatures

## Prove of experience

- Operation of the System HERMES (Hellenic Exchanges Remote MESSaging System), for the electronic submission of the transaction data of Greek Listed Companies to the ATHEX
- Operation of the Transaction Reporting System (TRS) which allows the reporting of transaction data by Investment Services Companies to the Hellenic Capital Management Committee
- Participation in EU Project LEPS – Leveraging eID in Private Sector [www.LEPS-project.eu](http://www.LEPS-project.eu) as QTSP and Service Provider Qualified Certificates and electronic identities (eIDs)
- Participation in EU Project eIB – eIDAS enabled i-Banking as Project Coordinator and Qualified Trust Service Provider (QTSP)



# Why ATHEX Trust Services

- ATHEX Trust Services, are certified with **ISO 27001** for their security and with **ISO 9001** for their quality.
- ATHEX has in obtained the most **eIDAS certifications** in Greek Private Sector.
- Proven **experience** in eIDAS Trust Services.
- Unique set of **expertise**, very high customer **satisfaction** levels.
- ATHEX Certification Authority runs in a **secure Data Center** which operates under high level Qualifications including **ISO 22301** Requirements for Business Continuity.
- ATHEX operates one of the most modern and state of the art Data Centers in the area of Athens (**high availability & fault tolerant features**).



# Thank you!

**ATHEX Trust Services**

**Athens Exchange Group**

110 Athinon Avenue

104 42 Athens GR

**T** 210 3366300

**F** 210 3366301

**E** [PKICA-Services@athexgroup.gr](mailto:PKICA-Services@athexgroup.gr)

**[www.athexgroup.gr/pki-repository](http://www.athexgroup.gr/pki-repository)**