



ENERGY TRADERS ASSOCIATION OF TURKEY

**FUTURE OF ENERGY
TRADING IN TURKEY**
Liberalization Process



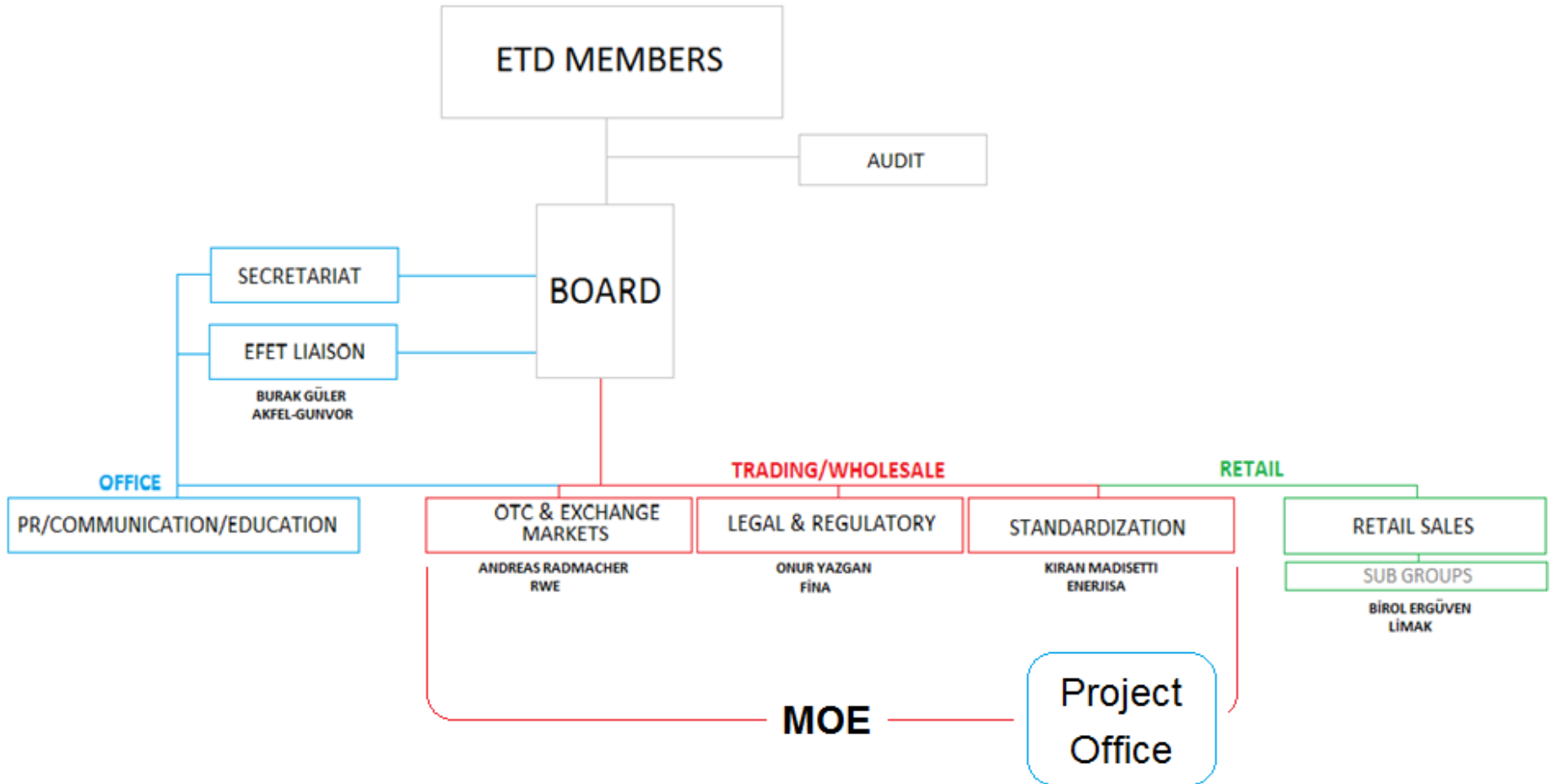
ETD

General Information

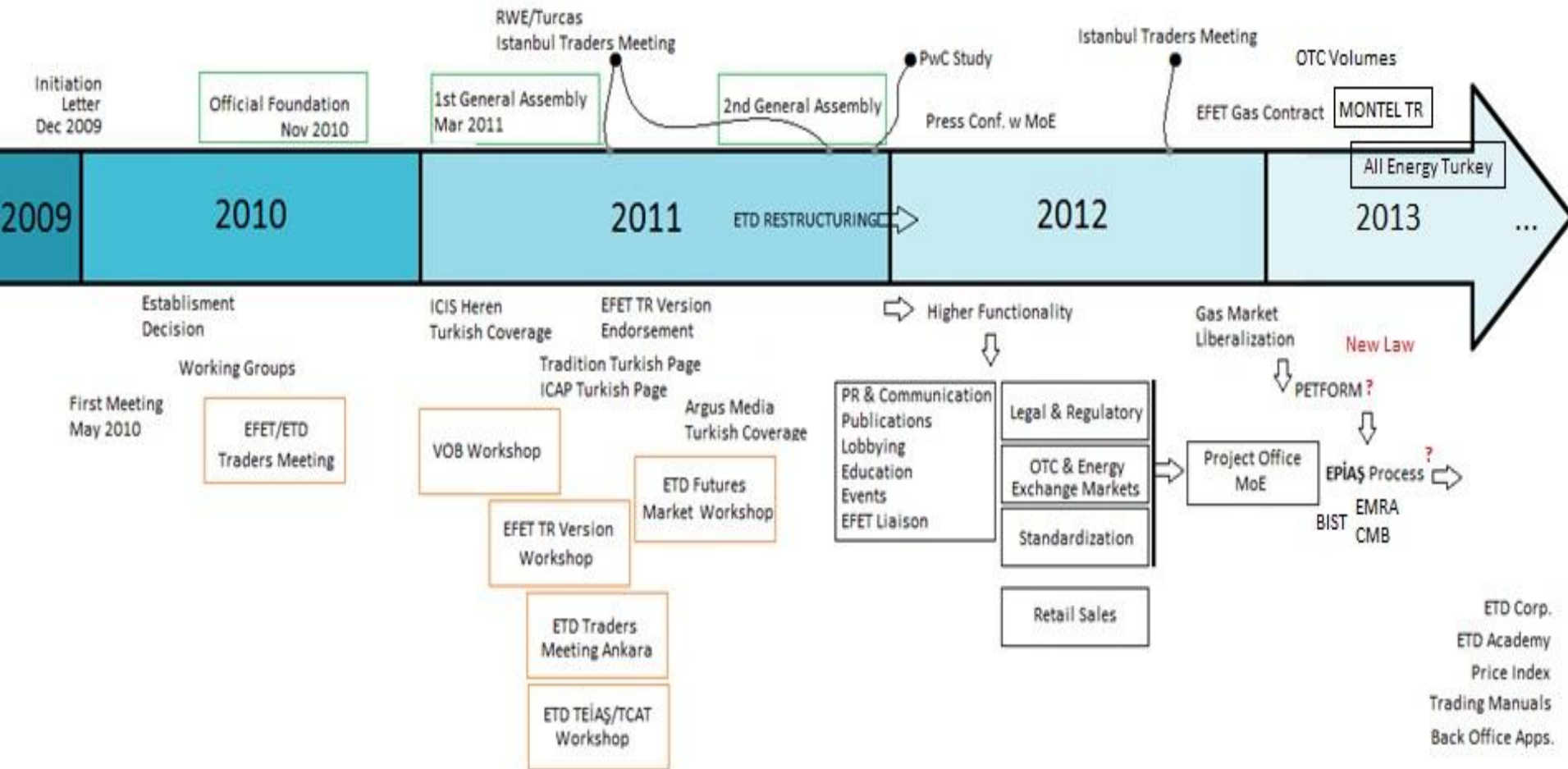
- Designed and established by leading energy trading companies
- Institutional membership
- 42 Members
- Current Board Members



ETD



ETD



PRIVATE INVESTMENT

Autoproducers

BO/BOT/TOR

Private Generation

TEK-Türkiye Elektrik Kurumu

TEDAŞ-Distribution

TEAŞ
Generation & Transmission

UN-BUNDLE

TEİAŞ-Transmission

TETAŞ-Wholesale/Trade

TEDAŞ-Distribution

EÜAŞ-Generation

UN-BUNDLE

21 EDAŞ *

UN-BUNDLE

ADÜAŞ

HPP

Priority Assets

Generation Portfolios

PRIVATIZATION

PRIVATIZATION

?

~~Autoproducers~~

BO/BOT/TOR

Private Generation

Distribution/Retail Co

Wholesale/Trader Co

TEİAŞ-Transmission

TETAŞ-Wholesale/Trade

1970

1994

2001

4628

EPDK/EMRA

2004

Balancing and Settlement
Regulation - DUY (UK Model)

2005

DUY Revision
(Consulted-Nordpool)

2006

Implementation of DUY

2007

2008

2009

Implementation of
Day Ahead Planning
Strategy Document

2010

etd ENERJİ
TİCARETİ
DERNEĞİ

ENTSO-E Trial
Parallel Operation

2011

EFET Master
Agreement Endorsement
Day Ahead / Balancing Market
Clearing House

2012

Spot Market

~~Derivatives~~

~~Stamp Duty Exemption~~

Exchange

~~OTC~~

2013

6446

LIBERALIZATION

PRIVATIZATION / MARKET INFRASTRUCTURE

FUNCTIONAL
MARKET

Why Liberalize?

| 2023 Targets |
|-----------------------------------|
| In Top 10 Economy |
| In Top 5 in Agro-Economy |
| 82 Million Population |
| USD 25,000 GDP per Capita |
| USD 500 Billion Exports |
| Min. Requirements |
| 110,000 MW + Installed Capacity |
| 60,000 MW + Additional Investment |
| USD 100 Billion + Investments |
| Financing |
| USD 100 Billion Equity + Loan |

Liberal Market

Check List (Y/N)

Economical Price

Supply, Demand & Parameters Forecast

Transparency / Fair Rules & Regulations

Competition

Players

Volume

Market Places

Trading Mechanisms

Moreover

Full Market Liberalization vs No Liberalization by 2019 *

Additional TRL 42 b increase, i.e. 2.6 % GDP increase

3.2 % income increase of Private Households and Companies

4.5 % increase in investments, i.e. TRL 26 b additional accumulated investment

Cost of Gas down by 20 %

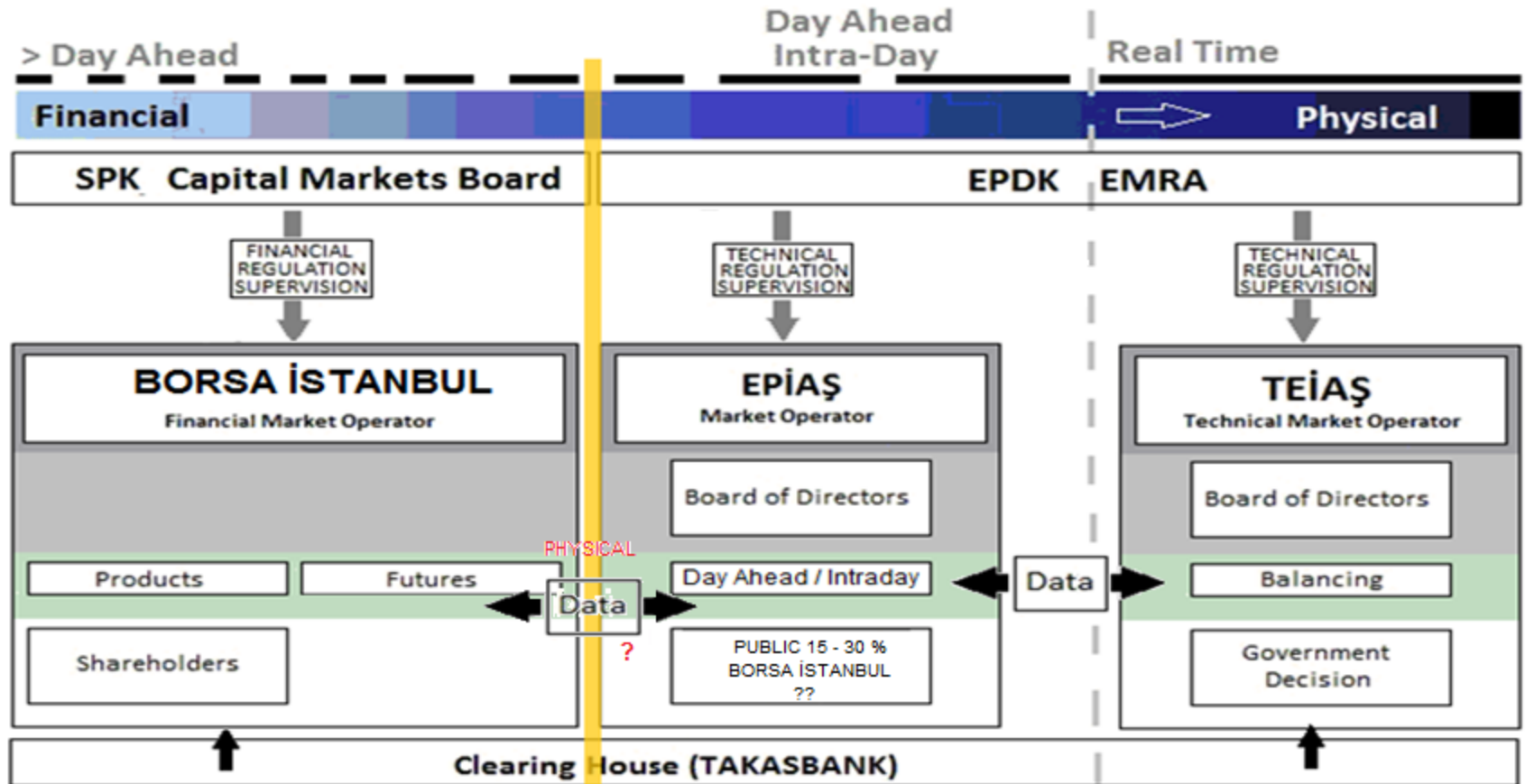
3.1 % increase in skilled employment, 3.4% in unskilled

2.2 % increase in imports

** PwC applied Computable General Equilibrium type modeling multiregional Global Trade Analysis Project*

Market Place # 1

ENERJİ BORSASI MODELİ(*)



(*) Yasa Taslağında Öngörülen Şekil

Potential

