

Overview of the Hungarian Lift industry



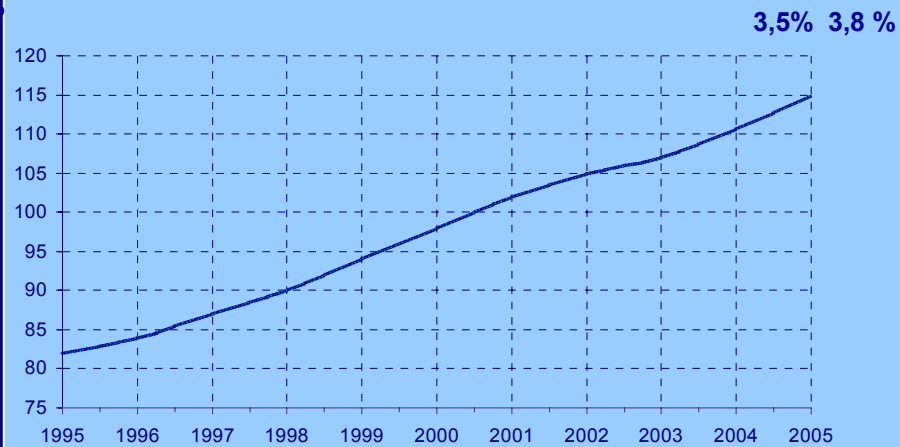
17.03.2005, Bruxelles

Agenda:

- General Economic Environment
- History of the Hungarian Lift industry
- New Equipment and Service Market - historical data
- Maintenance market - age and condition of lifts
- Regulation of lift industry in Hungary
- Hungarian Lift Association
- Accidents and major risks with the operating lifts
- Major Focus areas

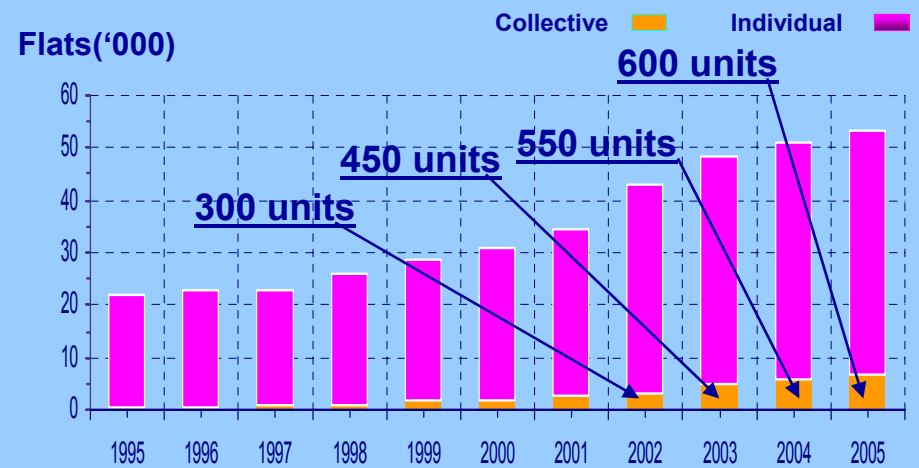
General Economic Environment

GDP



Building Apartments - Residential

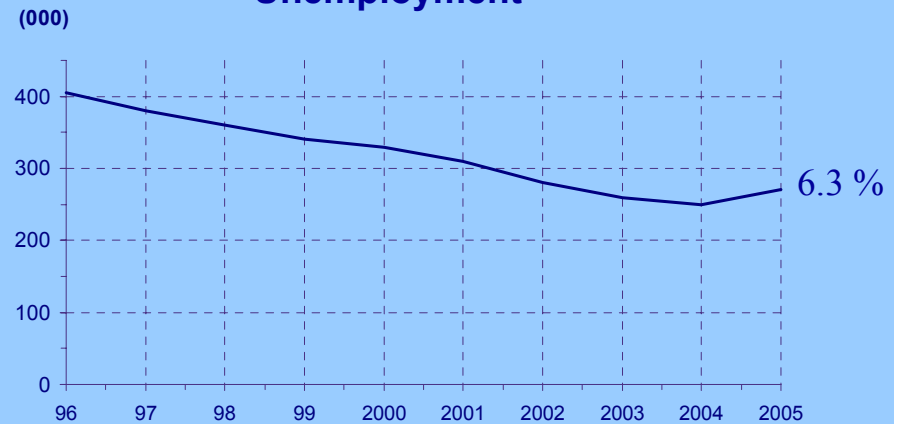
Construction Industry: ~ 5-6% growth/year



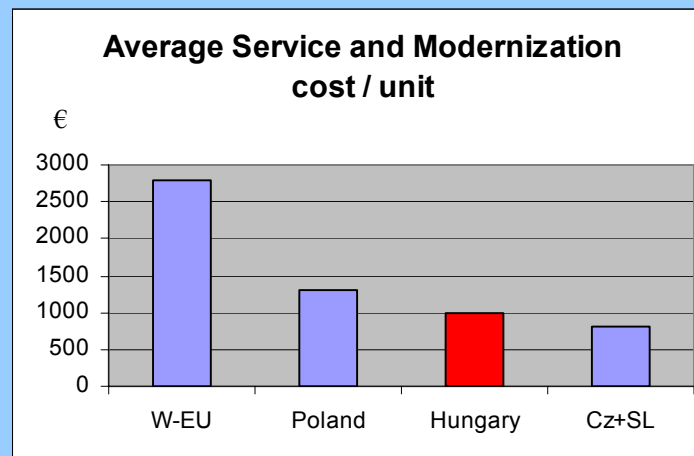
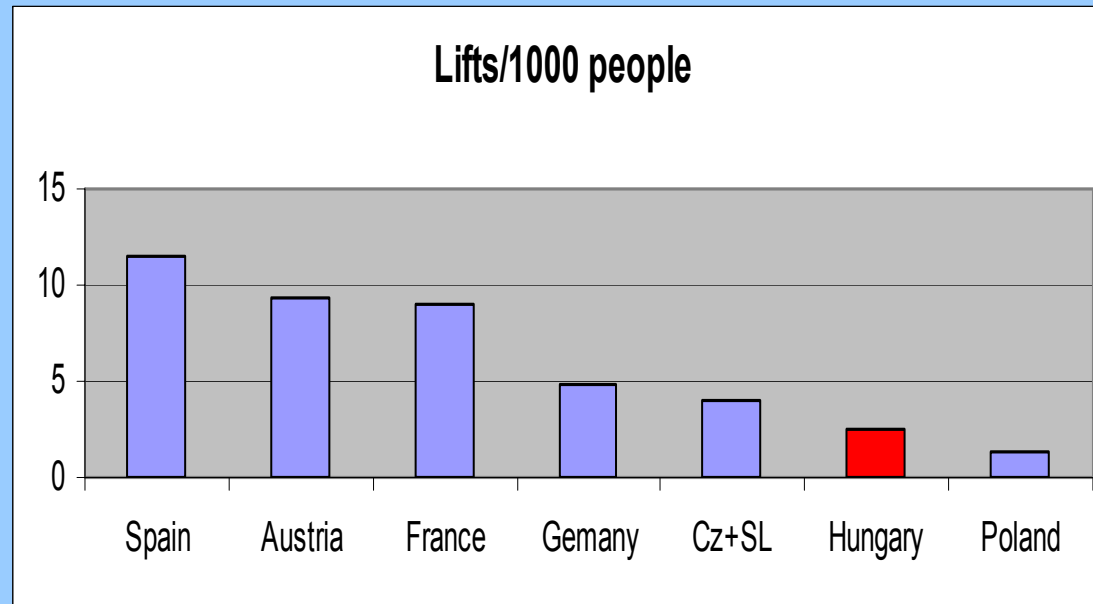
Inflation index



Unemployment



New Countries in the European lift market



History of the Hungarian Lift industry

Before 1990:

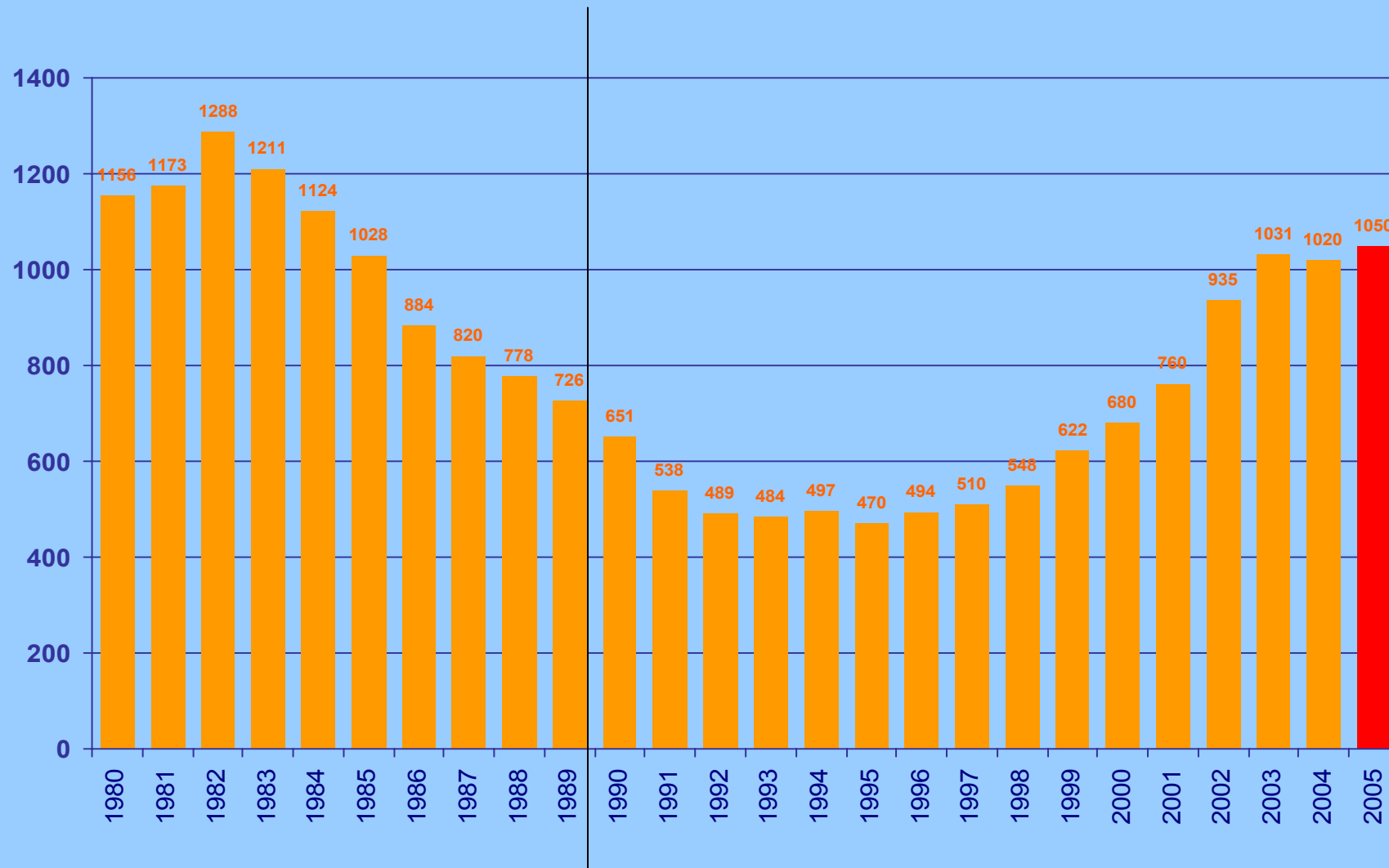
- **3 large state owned elevator companies**
(manufacturing new lifts, installing and repairing lifts, maintenance of lifts belong to Budapest city)
- **There were few entrepreneurs**
- **There were many employed mechanics** who had private businesses maintaining elevators within apartment blocks

After 1990:

- **State owned companies have been privatised/acquired.**
- **More and more mechanics and supervisors created companies and continued within their own businesses.**
- **Local lift manufacturing became less and less competitive.**
- **European components manufacturers received more opportunity.**

New Equipment Market

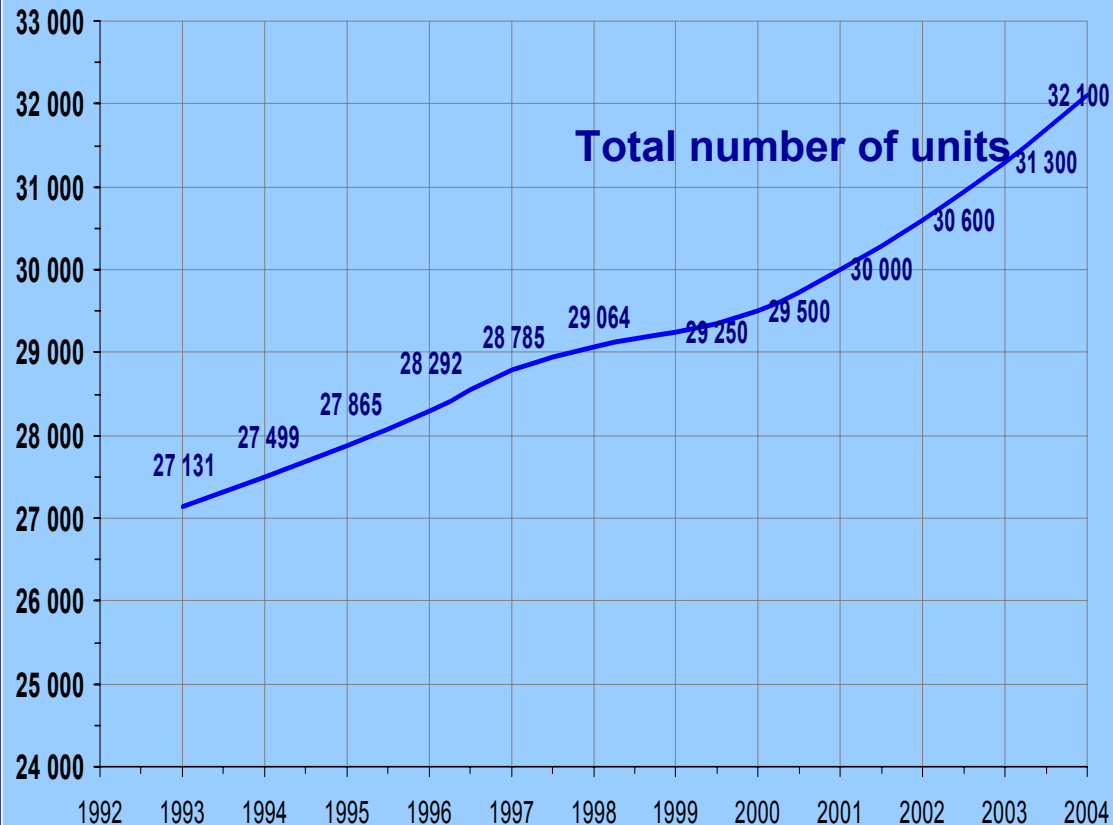
Based on official handover statistic



Service Market - Elevators & Esc.

Calculated from official handover statistics (ÉMI)

Units



Within Budapest: 18000 units
Outside Budapest: 13000 units

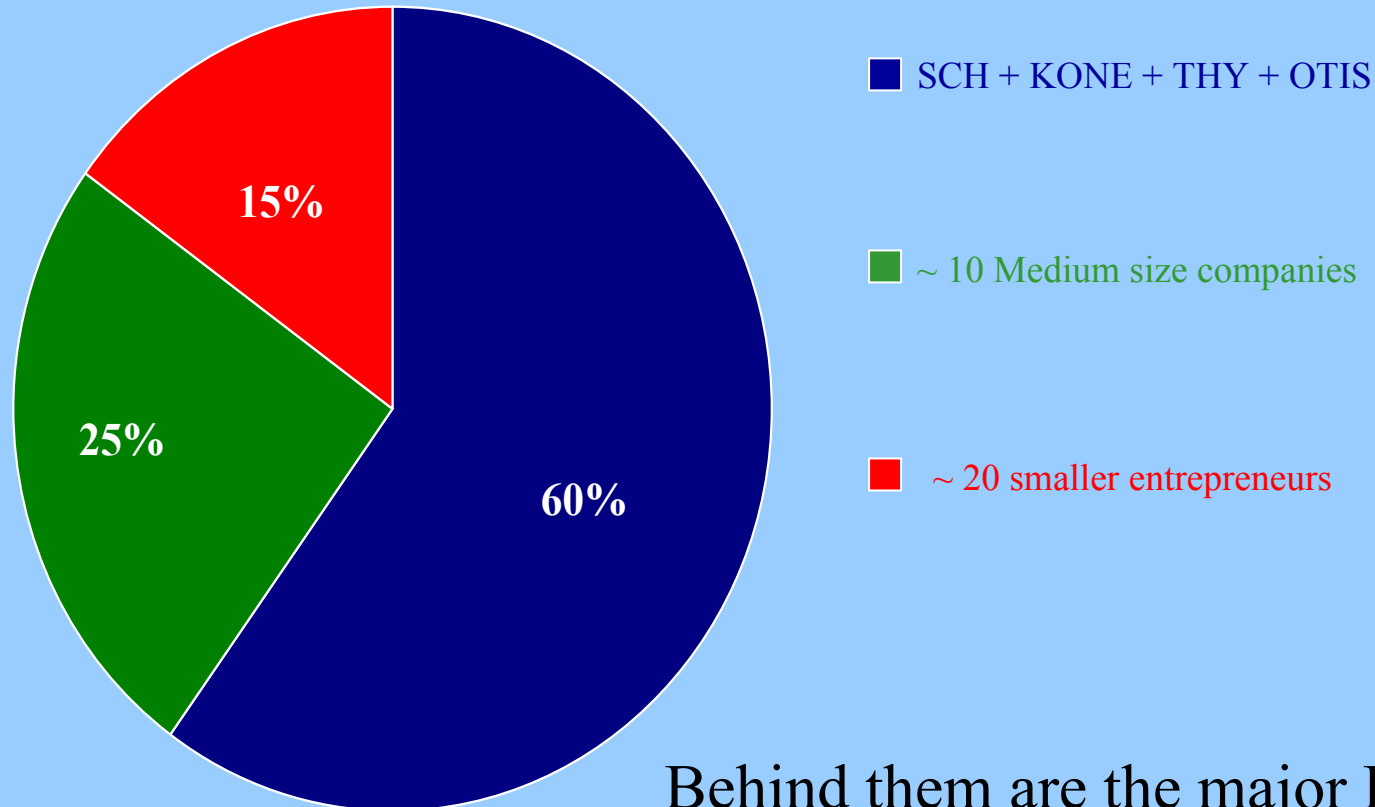
Age categories:

<15 years : 9000 units
15 -30 years: 15000 units
>30 years: 8000 units

Conditions:

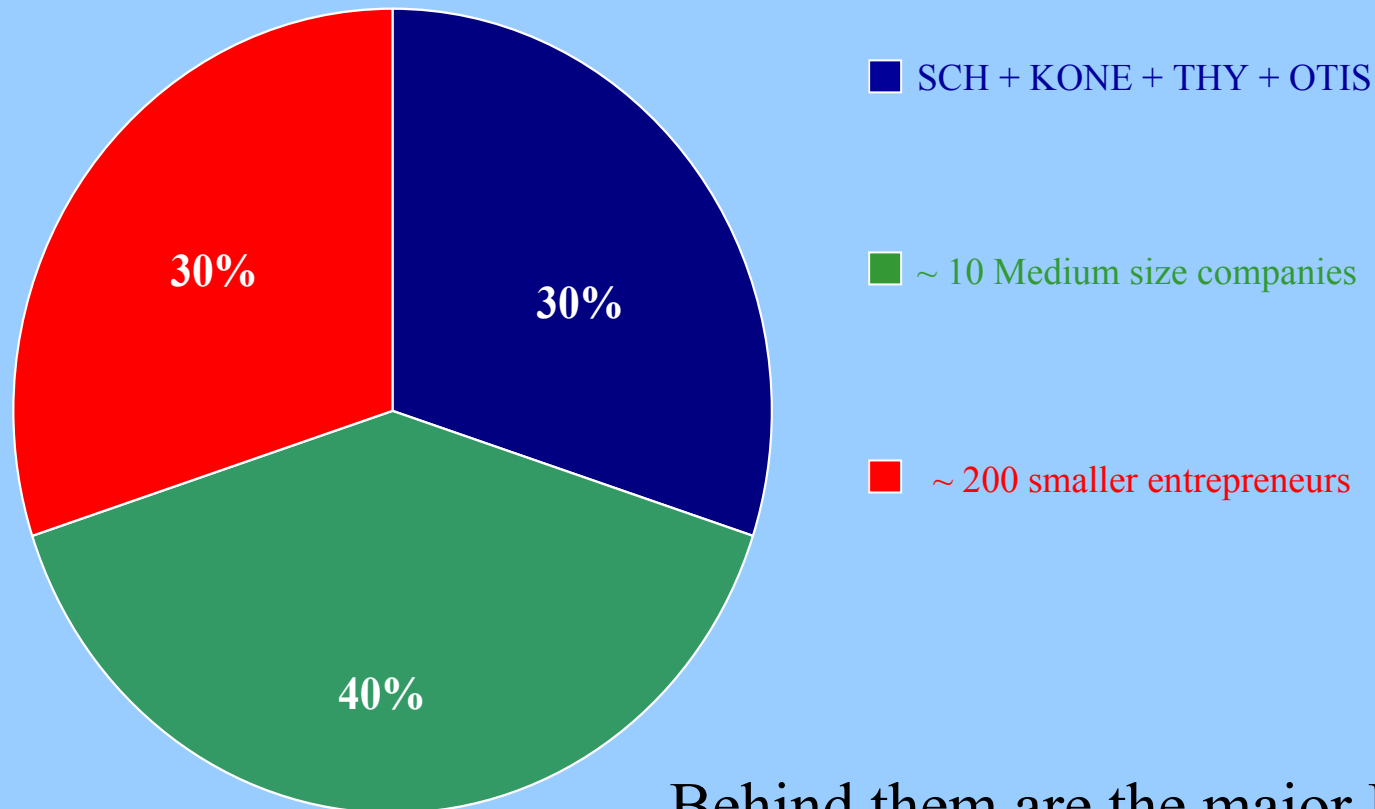
Stopped: 600 units
Require MOD: 12-15000 units,
but modernized <500 units/year

Competitors on New Equipment market



Behind them are the major European components selling companies and some local suppliers

Competitors on Service market



Behind them are the major European components selling companies and some local suppliers

Regulation of the elevator/escalator industry

• Legislation

Parliament

Ministry for House construction

Ministry for Economy and Transport

Office for Prevention of Catastrophies

Standardization

Hung. Standard Office

ÉMI KHT

3 Notified bodies

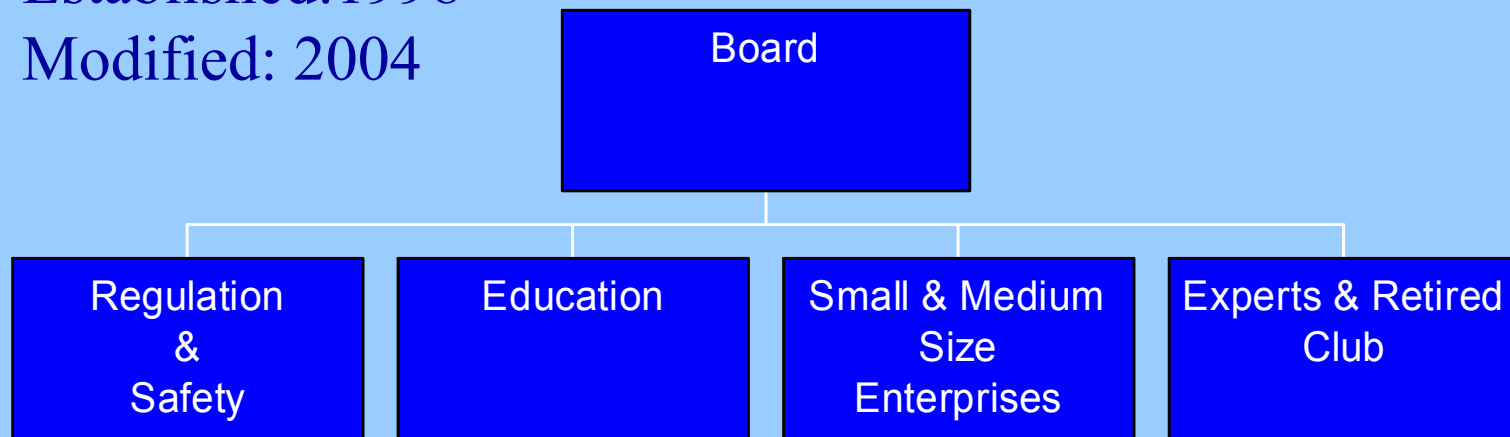
• Hung. Lift Association

- Companies
- Entrepreneurs
- Experts
- Schools

Hungarian Lift Association

Established: 1998

Modified: 2004



Members: - 40 companies
- 8 individuals

Participants on the events: ~ 80-100 people

Major Goals: Representing members,
Lobbying in Regulation,
Organizing training (technical and safety)
Supporting and organizing communication

Accidents with Lifts in Hungary

(recorded by ÉMI)

	2000	2001	2002	2003	2004
Fatal accident	1	0	1	0	0
Serious user accident	1	2	1	0	1
Serious work accident	1	1	1	0	0
No serious accident	5	3	2	1	1
Quasi accident	1	1	2	4	2

Major risk area:

These accidents have been reported to ÉMI (but not all !)

- Paternosters
- Local hydraulic freight elevators
- Landing door locks
- Moving floor in cabins (no automatic doors)
- Drive wheel shaft breaking (no safety gear on counterweights)
- Top of car and pit entry
- Control of electrical energy (no lockable main switch)
- Poor maintenance ← High emphasis on control
- Inadequate control by owners (Daily)
- Lack of skilled elevator mechanics ← State organized education ???

Major focus areas:

- Implement SNEL
- Improve safe working behavior on job sites
- Skilled worker's education
- Accelerate translation of EN standards
- Improve communication
- Give more support to the smaller enterprises

Thanks for your attention !