THE ROLE OF CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS IN EUROCODES IMPLEMENTATION, ACTIVITIES AND EXPECTATIONS

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KOAI of R. Macedonia
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

CURRENT LEADERSHIP OF THE CHAMBER:

President of the Chamber Assembly: Prof. PhD Mile Stankovski

Vice President of the Chamber Assembly: MSc Bashkim Alili

President of the Chamber: Prof. PhD Mile Dimitrovski

Vice President of the Chamber: Rade Lazarevski
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

FOUNDED 2007
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

More than 3000 ACTIVE MEMBERS and 12 ENGINEERING DEPARTMENTS

Department of Civil engineers
Department of Architects
Department of Electrical engineers
Department of Mechanical engineers
Department of urbanists and planners
Department of Traffic engineers
Department of engineers of geology and geotechnics
Department of Environmental engineers
Department of Geodetic engineers
Department of engineers in occupational safety and fire protection
Department for Energy Efficiency
Department of technologists and metallurgists
“The way forward for the Eurocodes implementation in the Balkans”, 10-11 October 2018, Tirana
VISION
Positioning the Chamber of Certified Architects and Certified Engineers as an equal and relevant member of the international engineering community, active stakeholder in the development of the engineering profession and factor in strengthening the role of engineers in society.
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

MISSION
Use the influence and authority of the Chamber and through cooperation with relevant institutions advance and improve certain provisions in laws and regulations in the interest of architects, engineers and the engineering profession as a whole.
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

ACTIVITIES
Continuous professional development of its members through organization of trainings
Issue and continuation of certificates of domestic and foreign engineers and architects
Publication of the professional journal PRESING
Nostrification of foreign projects
Support to professional engineering associations in the state
Organization of seminars, conferences and other professional events
The Chamber has very active role in process of:

Continued Professional Development (CPD) of the engineers in Republic of Macedonia

The Chamber organizes between 20-30 educational seminars per year across the country
The Chamber financially and logistically supports 5-10 engineering symposiums/other events organized by other engineering organizations in Republic of Macedonia.

Every year, the Chamber awards the best engineering students with an engineering ring, under the auspices of the President of Republic of Macedonia.
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

The only engineering chamber in Republic of Macedonia, empowered by the national legislation to issue certificates to Macedonian engineers and architects in terms of their professional eligibility

The only entitled institution in Republic of Macedonia to issue certificates for foreign engineers / architects wanting to work in our country
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

Type of certificates (A or B level):
1/ DESIGN
2/ REVISION
3/ SUPERVISION
4/ CONSTRUCTION
Publication of the professional journal PRESING
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

PROFESSIONAL DEPARTMENT OF CIVIL ENGINEERS

Founded: 2008
Number of active members: 1 073
Head of the Department: Prof. PhD Petar Cvetanovski, graduated civil engineer

Certification analysis:
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

Implementation of EUROCODES, views from the CHAMBER

Goals and achievements of implementation:

- To improve opportunities of our engineers on EU market
- Development and international affirmation of our construction firms
- Part of Euro-integration process
Implementation of EUROCODES, views from the CHAMBER

Activities of the Chamber, 2012-2013:

- Professional revision of Eurocodes translations
  Experts from Faculty of civil engineering, IZIIS, Faculty of mechanical engineering and some others
  All Eurocodes, around 5000 pages
  Supported by Chamber and Faculty of civil engineering
  Financial Support of Chamber – 60,000 eur.
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

Implementation of EUROCODES, views from the CHAMBER

Activities of the Chamber, 2014:

- 27 seminars for Eurocodes implementation
  Subjects were EC1, EC2, EC3, EC7 and EC8
  One day (8h) informative seminars for the members of the Chamber
  More than 1000 members attendance, or 37 members per seminar
  Experts from Faculty of civil engineering
  Financial Support of Chamber – 30.000 eur.
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R. MACEDONIA

Implementation of EUROCODES, views from the CHAMBER

Activities of the Chamber, 2015:

- Report letter send to Government of R. Macedonia
  - Information about finished activities regarding to process of Eurocodes implementation
  - Proposal for further measures and activities
Implementation of EUROCODES, views from the CHAMBER

Main objectives of the proposal for further measures and activities were:

- Preparing and adoption of National Annexes (ISRM)
- Education of engineering staff (Chamber, Faculty of civil engineering - Skopje)
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<th>Table of fulfilled activities and proposal for fully implementation of Eurocodes</th>
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“The way forward for the Eurocodes implementation in the Balkans”, 10-11 October 2018, Tirana
Implementation of EUROCODES, views from the CHAMBER

Plan for education of engineering staff (2016-2018):

- Preparing of materials for all 9 Eurocodes
  Faculty of civil eng. – Skopje, 36 experts
  9 books, about 1800 pages

Financial support (170.000 eur),
generally from budget of Government
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

Implementation of EUROCODES, views from the CHAMBER

Plan for education of engineering staff (2016-2018):

- 489 one-day seminars, 36 experts
  Held at 4 cities (Skopje, Bitola, Tetovo and Stip)

Organized by the Chamber and Faculty of civil eng. - Skopje

Financial support (128.000 eur), generally from budget of Government
Implementation of EUROCODES, views from the CHAMBER

Plan for education of engineering staff (2016-2018):

- Other activities
  - Engagement of EU experts
  - Printing of materials
  - Space and equipment for seminars
  - Organized by the Chamber
  - Financial support (50,000 eur), from budget of Government, or EU funds
CHAMBER OF CERTIFIED ARCHITECTS AND CERTIFIED ENGINEERS OF R.MACEDONIA

Implementation of EUROCODES, views from the CHAMBER

CONCLUSIONS:

1/ Process of Eurocodes implementation is on stand-by from 2015

2/ The act of Government for support of detail plan with adequate financial support should be brought

3/ The finalization of National annexes (ISRM), geography depending parameters, should be done in short time

4/ Period of transition should start no later than June 2019
CONCLUSIONS:

5/ Improvement of NDPs should be done during transition period. To adopt all recommended values for NDPs in NAs is not proper method, and it does not lead to adequate safety level of particular country.

6/ Eurocodes principles and rules have to be implemented in higher education subjects at Faculties of civil engineering and other faculties
CONCLUSIONS:

7/ Chamber of certified architect and certified engineers is a relevant stakeholder and most suitable institution to organize the implementation of Eurocodes in our country.
Thank you for your attention!

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