



HELLENIC ASSOCIATION OF RURAL & SURVEYING ENGINEERS
ΠΑΝΕΛΛΗΝΙΟΣ ΣΥΛΛΟΓΟΣ ΔΙΠΛΩΜΑΤΟΥΧΩΝ ΑΓΡΟΝΟΜΩΝ & ΤΟΠΟΓΡΑΦΩΝ ΜΗΧΑΝΙΚΩΝ

The profile of the Surveyor in Greece

Michalis Kalogiannakis

President of the Hellenic Association of Rural and Surveyor engineers
Vice-President of Comité de Liaison des Géomètres Européens



The Council of European Geodetic Surveyors
Comité de Liaison des Géomètres Européens

SOFIA
22-23 March 2019



History of Rural and Surveying Engineering

In Greece, the profession of the Surveyor is exercised by Rural and Surveying Engineers.

- 1829: Topography was taught in Military Schools
- 1837: New lessons: Geodesy, Levelling, Road Construction and Hydraulics
- 1837: National Technical University of Athens was founded, almost along with the modern Greek State
- 1843: New lesson: Chorometry (an early form of applied Topography)
- 1863: The first distinction among Civil- Surveying- Mechanical – Chemical Engineers
- 1887: The School of Geometers founded, as the applied faculty of Civil engineering
- 1917: Higher School of Surveying Engineering was founded. 3-years to obtain Diploma
- 1930: Higher School of Rural and Surveying Engineering was founded. 4-years Diploma
“Rural” → Need for infrastructure works in the province
- 1930: First Law for Professional Rights of Engineers, still in force
- 1953: H.A.R.S.E. was founded





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H.A.R.S.E.

- 6.000 members
- 28 local structures
- New memberships:
 - Graduates with 5-years diploma
 - Members of Technical Chamber of Greece are also members of H.A.R.S.E.
 - The last years the number of new members decreased significantly
 - Brain Drain
 - High taxes and mandatory expensive health insurance
- Number of new Surveyors the last decade: 1.111 (19,91%)



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“Mapping” of Rural and Surveying Engineer

Population Allocation

- Number of Greek Surveyors: 5.580 (**5,19%** of Engineers – Oct. 2017).
- **60,60%** of surveyors located in Athens (44,50%) and Thessaloniki (16,10%)
- Average age: **45** years old



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“Mapping” of Rural and Surveying Engineer

Professional Activity

1. Surveyors in Public Sector (local authorities, Hellenic Cadaster, Ministries etc.)
2. Designers or Consulting Engineers for Public works (Topographic studies, Land registry, G.I.S., Transportation studies, Hydraulics studies, Urban Planning, Environmental studies)
3. Public works' contractors (Road construction, Buildings, Hydraulics and Marine works etc.)
4. Freelancers for Private sector (Studies for 2-storey buildings, legalization procedures for illegal buildings, topographic plans for property transfers)





“Mapping” of Rural and Surveying Engineer

Professional Activity

1. Surveyors in Public Sector → **15%** of Surveyors
2. Designers or Consulting Engineers for Public works → **33,82%** of Surveyors
3. Public works’ contractors → **13,33%** of Surveyors
4. Freelancers for Private sector and employees

Surveyor engineers are Presidents of the four largest technical associations which represent Designers, Consulting Engineers and Contractors for Public Works (**ΣΜΕ, ΣΕΓΜ, ΣΑΤΕ and ΠΕΔΜΕΔΕ**)





“Mapping” of Rural and Surveying Engineer

Professional Activity (Changes the last decade)

1. Surveyors in Public Sector → most of them over 45 years old
2. Designers or Consulting Engineers for Public works → Decrease **-33%**
3. Public works' contractors → Decrease **-30%**, most of them over 45 years old

22,16% of all consulting engineers are Surveyors, despite the fact that we are only **5,21%** of the total number of engineers

We are the most “Designing and Consulting” engineers of all the specialties of engineers.





“Mapping” of Rural and Surveying Engineer

Designers and Consulting Engineers for Public works (Specifically)

1. Topographic studies: **80%** of Registered Consultants are Surveyors – **20%** Civil Engineers
95% of Surveyors have chosen this category
2. Road construction studies: **60%** of Registered Consultants are Surveyors
3. Hydraulic studies: **45,5%** of Registered Consultants are Surveyors
4. Urban Planning studies: **30%** of Registered Consultants are Surveyors





Main Problems

1. Professional Rights overlapped by other faculties (i.e. civil engineers, architects)
2. Branding (create recognized identity)
3. Lack of technical standards for some fields and update of the existing
4. Low payments comparing to the required quality
5. High taxes and health/ pension insurance → Total 66% of the after-tax income





Perspectives

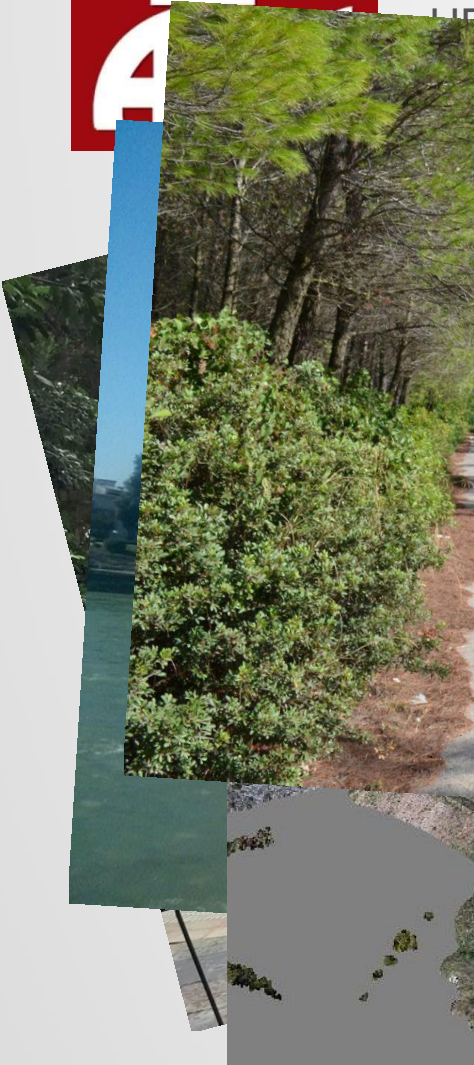
1. Recognition of Professional Rights (new law November 2019/court against this law)
2. Certified Surveyors for Cadaster (a draft of a new law is in progress, to be promoted to the government)
3. Technology can help us advance our profession compared to other engineers
4. The good news for us is that, since last summer, it is mandatory that all the topographic plans for property transfers are uploaded in digital files (dwg and pdf format), digitally signed, on a public database.
We proposed this obligation to apply for all the topographic plans of any use.





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