Surveying the Surveying Profession

Prof. Stig Enemark
Vice-President of DdL
Head of School of Surveying and Planning
Aalborg, University, Denmark

FIG XXII International Congress
Washington, 19-26 April 2002

A Managerial and Interdisciplinary Approach

Yesterday, Today and Tomorrow

The only Constant is change ...
The Surveyors outside the Surveying Firms

<table>
<thead>
<tr>
<th>Year</th>
<th>State Agencies and National Authorities</th>
<th>County Municipal Authorities</th>
<th>Private comp. (not surveying firms)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1967</td>
<td>90</td>
<td>32</td>
<td>5</td>
<td>127</td>
</tr>
<tr>
<td>1977</td>
<td>115</td>
<td>70</td>
<td>19</td>
<td>204</td>
</tr>
<tr>
<td>1987</td>
<td>108</td>
<td>123</td>
<td>119</td>
<td>350</td>
</tr>
<tr>
<td>1997</td>
<td>155</td>
<td>220</td>
<td>140</td>
<td>515</td>
</tr>
<tr>
<td>2002</td>
<td>150</td>
<td>258</td>
<td>150</td>
<td>558</td>
</tr>
</tbody>
</table>

... The only Constant is change

Surveyors in the Firms

<table>
<thead>
<tr>
<th>Year</th>
<th>1-3 surveyors</th>
<th>More than 3 surveyors</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987</td>
<td>137</td>
<td>23</td>
<td>160</td>
</tr>
<tr>
<td>1997</td>
<td>94</td>
<td>24</td>
<td>118</td>
</tr>
<tr>
<td>2002</td>
<td>83</td>
<td>22</td>
<td>105</td>
</tr>
</tbody>
</table>

The Private Surveying Firms

<table>
<thead>
<tr>
<th>Year</th>
<th>1-3 surveyors</th>
<th>More than 3 surveyors</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987</td>
<td>224</td>
<td>155</td>
<td>379</td>
</tr>
<tr>
<td>1997</td>
<td>148</td>
<td>169</td>
<td>317</td>
</tr>
<tr>
<td>2002</td>
<td>129</td>
<td>172</td>
<td>301</td>
</tr>
</tbody>
</table>

Enhancing Professional Competence

CPD Activities

- CPD concept adopted 1995
- 40 hours per year
- 80% attended CPD activities in 1997
- In average the surveyors spent six days on CPD activities in 1997
  - Public sector: 8 days
  - Private sector: 6 days
  - Surveying firms: 5 days
Adapting the Curriculum

Please distribute your total working hours in percentage on the main grouping and then tick the areas to indicate your main professional areas of work.

Indicate %    Tick

– SPATIAL PLANNING
  National planning ...................................................... ?
  Regional planning ...................................................... ?
  Municipal planning .................................................... ?
  Local planning ........................................................... ?

– SECTORAL PLANNING AND LAND MANAGEMENT
  Nature protection, raw materials ................................ ?
  Agriculture and land consolidation ............................ ?
  Environmental protection and water resources .......... ?
  Roads........................................................................ .. ?
  Utilities....................................................................... ?
  Other........................................................................... ?

– LAND ADMINISTRATION
  Zoning ........................................................................ ?
  Agricultural holdings.................................................. ?
  Building permits ........................................................ ?
  Compulsory purchase, taxation .................................. ?
  Declarations, property administration ....................... ?

– CADASTRAL MANAGEMENT (incl. strata titles)

%  

– CADASTRAL SURVEYS AND CALCULATIONS

%  

– MAPPING
  Terrestrial mapping (on the ground)........................... ?
  Photogrammetric mapping ....................................... ?
  Mapping administration ........................................... ?
  GIS (development and management) ........................ ?

– ENGINEERING SURVEYS
  Buildings ..................................................................... ?
  Roads .......................................................................... ?
  Utilities ....................................................................... ?
  Other engineering surveys ............................................. ?

– OTHER:
  (pure management/development/IT)............. ?

Indicate category

Answering percentage 81 %

Strategic Professional Development

• A two day seminar
  - Facing the challenges, where are we heading, actions needed

• The profession is walking on two legs
  - Surveying practice (the perception of the profession)
  - Land and Spatial Information Management, IT-development

• Still a unified profession
  - but the profiles become still more diverse

• Adapting the curriculum
  - General management, business and property economics are increasing areas

Conclusions

• Key tasks for the surveying associations
  - Serving the members, improving the structural conditions

• Surveying the surveying profession
  - A basic tool for strategic professional development
  - A backbone for the profession itself

• The only constant is change
  - Monitoring the change - managing the change