



# Institution of Mechanical Engineers Benelux Branch

## 5 Year Business Plan 2004-2008

Sept 2003

**“An Institution in the Heart of Europe”**

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## *Executive Summary*

The Benelux Branch of the Institution is operating in a unique European location close to the European Commission, accompanied by numerous national engineering bodies in the three countries in the region, which is a favourite location for headquarters of multinational companies.

The environment in which the Branch exists has gradually evolved since the last 5-year Plan was issued in 2002. Proposals by both the British and European Engineering Bodies represented in the Benelux to increase their influence by collaboration (joint activities or mergers) require the Branch to increase the emphasis of its activities in this area.

In addition, the Branch must also broaden the position already achieved:

- to be the 'European Influence' within the Institution, and a local contact point to facilitate IMECHE dialogue with EU bodies, national engineering institutions and other relevant organizations,
- to provide networking for members within the region, many of whom are here on a temporary basis,
- to promote the activities of a learned society within the Region, for which the Branch Committee will adopt and champion the theme of '*encouraging the personal development of engineers into the industrial leaders of the future*'.

This document sets out the Strategic Priorities, Objectives and Responsibilities for 2004-2005 and looks beyond this to 2008.



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## 1 Strategic Aims and Corporate Objectives

In accordance with the IMechE Vision Statement "*To be the natural professional home for all involved in Mechanical Engineering*" (Council, 2000), and the Strategic Aims:

- *To be the leading forum for the exchange of knowledge and expertise in mechanical engineering.*
- *To provide products and services to members, the profession, industry and government that are affordable and highly valued.*
- *To maintain the financial health of the Institution.*
- *To be a dynamic, innovative and professionally-run organisation.*

the Branch defined the following to guide its activities:

Vision	
To be the Benelux Network of IMechE members contributing to business and professional life in Europe.	
<b>Objectives</b>	
<b>Activities</b>	<b>European Awareness</b>
<ul style="list-style-type: none"><li>· To hold and organise, solely or in collaboration with other bodies, at least 4 topic meetings per year and an AGM.</li><li>· To organise at least 4 technical visits per year.</li><li>· To organise at least 4 social events per year.</li></ul>	<ul style="list-style-type: none"><li>· To engender awareness amongst IMechE staff and world-wide membership of issues initiatives and programmes at EU level.</li><li>· To make a regular input to IMechE's strategic thinking especially on International affairs.</li><li>· To facilitate visits of IMechE HQ to Benelux based Institutions.</li></ul>
<b>Communications</b>	<b>Links and Agreements</b>
<ul style="list-style-type: none"><li>· To compile and distribute to all members a quarterly branch newsletter.</li><li>· To maintain a regularly updated IMechE Benelux Branch website.</li><li>· To promote awareness and knowledge of Mechanical Engineering and IMechE within local engineering institutions.</li></ul>	<ul style="list-style-type: none"><li>· To facilitate the conclusion of agreements between the IMechE and local engineering bodies.</li><li>· To activate such agreements.</li><li>· To collaborate actively with other UK engineering institutions in Continental Europe.</li><li>· To explore possible links with other local professional bodies.</li></ul>

Hence, to support the Institution's Strategic Aims by:

- establishing the IMechE as an institution with a high profile in Benelux, the European Engineering Institutions and other European bodies,
- ensuring contact with members in Benelux and those who wish to join the Institution,
- providing a means by which members can develop within the Institution and fulfill their full potential using the Institution's resources.



The achievements of the Branch in the last two years have been numerous and are a credit to the Benelux Branch members. The Branch Committee has established a wide influence with its members' participation on IMECHE Council, Trustee Board, Consultants' Group, International & IT Committees and the Engineering Council (UK) International Advisory Panel. The details can be found in the Branch's Annual Reports.

Within its own Region, it has innovated with a Committee Structure matched to its needs and resources, early adoption of the Internet, and new forms of Membership Networking. The Branch's Regional influence has been cemented with persistent contacts and collaboration with local institutions.

In reviewing the achievements of the past two years and projecting forward the changes in the engineering environment, the Committee's role should focus on:

**Sustainability :** The organization of the Branch is reasonably well structured and managed. The major issue to be addressed in the next 5 year period is a succession plan for Senior Committee members who will be able to devote the time and energy to both the Institutional AND extra-Institutional activities.

**Convergence of Interests & Collaboration :** The Branch is involved in joint initiatives with Belgium and Dutch based engineering bodies and will be affected by any merger proposals between UK institutions. The Branch needs to prepare and resource these initiatives.

**A Branch Theme :** The Branch Committee will build on past activities and develop an overall theme of '*encouraging the personal development of engineers into the industrial leaders of the future*'.

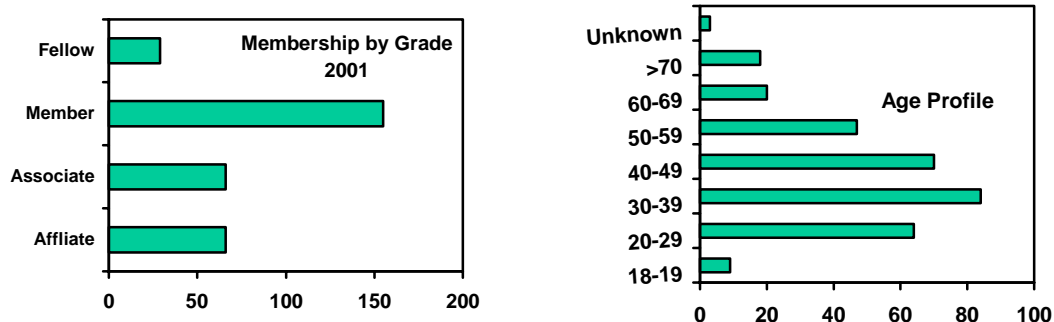
## 2 Current Business Overview

### 2.1 Benelux

#### 2.1.1 Branch Membership

The Benelux Branch database records 298 IMechE members resident in Belgium, Holland, and Luxembourg, of which 285 are shown in the IMECHE's own database. A few are continental Europeans who have become members through their work in British organisations. Most of the members are UK expatriates either working for themselves or on permanent or temporary assignments with European or multinational organisations.

Figure 1 : Membership structure by grade and age





### 2.1.2 Membership Trends

Membership lists for 1999 - 2003 indicate that membership numbers have increased slightly over the past 3 years.

Membership	Year				
	1999	2000	2001	2002	2003
Netherlands	202	189	192	210	214
Belgium	61	70	77	74	78
Luxembourg	18	16	16	24	24
<b>Total</b>	<b>281</b>	<b>275</b>	<b>285</b>	<b>310</b>	<b>316</b>

Of the members in 2003, 7% are female, 23% are under 30 yrs old.

The majority of members are in the Oil, Gas and Automotive industries employed by multinationals such as Shell/NAM, Delphi, Unilever, Toyota and the European Commission.

### 2.1.3 The Market for New Members

Branch membership depends to a large extent on the number of multinational companies in the region. These employ a proportion of UK professional engineers, either recruiting them directly in the region or moving them from UK on fixed assignments. A significant number of professional mechanical engineers in these categories are already IMechE and Branch members.

The Branch's market has the following additional segments:

1. UK mechanical engineers working in Benelux industries who are not already IMechE members.
2. Continental engineers working alongside existing members.
3. Members of other UK engineering institutions who may want to join IMechE because their own institutions are not active in the region.
4. Continental and other engineers knowledgeable about the IMechE and wanting to join.
5. Potential graduates currently studying in Benelux, where the Branch has contacts with the British Schools in The Hague and Brussels.

Discretion is needed in the recruitment of the 2<sup>nd</sup> and 3<sup>rd</sup> categories; other engineering institutions should not be given the impression that IMechE is poaching their members.

Also, since there is no system of professional engineering qualifications or titles in the Benelux, these are not required by employers. Thus, there is little or no interest in the FEANI Eur. Ing. or British C.Eng. and institution memberships, except for those engineers who may follow an international career path. The perceived confusion in the UK engineering education system (multiple titles, re-structuring of polytechnic and university education) casts doubt on the quality of our engineers. Hence, this reduces any interest in applying the IMechE system of professional qualifications.

The main market opportunity for the Branch is therefore the CPD of its younger members in order to ensure that they maintain their membership and progress to Corporate grades.



#### **2.1.4 Links**

The Branch is pro-active in creating links with the representatives of national engineering bodies in the Benelux. Contacts are maintained with local representatives of UK engineering institutions with regional organisations in the Benelux and have resulted in Joint Events

In the **Netherlands**, active contact is maintained with the KIVI with whom IMechE has an existing Agreement of Co-operation. Joint meetings have been held with KIVI and our immediate past Chairmen participates on a regular basis in the joint KIVI/NIRIA/IMEchE planning committee of the Mechanical and Marine Engineering Division.

In Belgium, the Branch is a founder member of the CIII (International Engineers Club) with two Committee Members holding administrative posts. We are also in contact with the SRBII, FABI, KVIV, BSMEE, MIT Club of Belgium, AGI-ISF, and the VDI through their Brussels office.

The new Young Members section is developing, but suffers from a high turnover of active members who leave the Region.

There are also established career counselling links with the British Schools in The Hague and Brussels.

### **2.2 The Institutions of the European Union**

The Branch finds itself uniquely located close to Brussels - the Centre of Europe and home of key opinion makers and lobbyists shaping European law, policies and programmes.

The Branch expects that any organisation aspiring to be a significant international influence would have a presence here, as other Engineering Bodies have already concluded - including, for example, the VDI, FEANI, CIII.

As the European Union strengthens, the UK engineering profession needs to take a more active part in the lobbying activities that will shape the future of the profession in Europe. Apart from the significant R&D and Regional Funds available to industry, the EU is active in the field of Equivalence of Qualifications, adoption of CEN standards, European infrastructure projects and a wide range of technological and environmental issues. A professional and proactive Issue Management System in the IMechE must ultimately address this need.

Since Europe is now the UK's largest market for engineering products and related services, the Committee believes that IMechE should use its influence to persuade the Engineering Technology Board to come up with a clear European policy and take a much more pro-active role in European affairs. It should be noted that the VDI, German Professional Engineers Association, set up its office in Brussels in May 1999 and has initiated a dialogue with the European Commission and other European Institutions. Its regular conferences under the heading "EU Forum on Technology and Politics" - covering technical issues with political significance - are well attended by members of the European Commission and Parliament.



## 3 Objectives and Strategies for 2004/5

### 3.1 Profile and relevance

To consolidate the Branch's role as the Benelux Network of IMechE members contributing to business and professional life in Europe by providing networking opportunities and communications to members.

Its profile amongst members in Benelux is high. Awareness of the Branch's activities is promoted by the quarterly newsletter, its own Internet website, mailing lists and events. Newly arrived members in the region have contacted committee members directly. Requests for information and guidance from engineers around the world have been received.

- *The Branch's activities will focus on maintaining high quality communication and networking activities amongst its members and will strive to broaden their appeal.*

The Branch's profile amongst other engineering institutions in Benelux is higher than would normally be expected from its small size because of the activities of several of the senior committee members. It is not uncommon for the Belgian Engineering bodies to invite members of the Committee to professional and social events. The Branch members are proactive in promoting joint activities with both UK and Continental bodies.

- *The Branch's activities will focus on broadening our contacts with other UK Institutions with activities in the Benelux, and on increasing the quality and significance of networking activities with the local engineering bodies in Benelux.*

### 3.2 Membership

We will ensure that members seeking promotion within the Institution are mentored and interviewed efficiently and will maintain contact with members in the region and promote the relevance of the institution via provision and communication of Branch activities.

#### 3.2.1 Membership Services

The Branch provides a forum for IMechE members in the Benelux to meet and share views on developments in industry and in the profession. Annually, its activities include at least 4 technical presentations, 4 technical visits, 2 social events and the Annual General Meeting. In addition, it participates in joint meetings with other technical societies. It publishes a quarterly newsletter and an Internet site [www.imechebenelux.org](http://www.imechebenelux.org).

The Branch co-operates with IMechE's Membership Department in finding sponsors and/or arranging interviews with potential members or existing members applying for transfer to a higher membership grade.

Given the large proportion of Young Members in the Branch, we will promote the activities of Young Members and facilitate their efforts to obtain chartered status.



The Committee members will actively co-operate with HQ in areas where members have a keen interest - International Policy and Affairs, IT, Consultant's Group.

Committee members visit local British curriculum schools to promote an interest in mechanical engineering and an awareness of the IMechE and the routes to the CEng qualification.

### **3.3 Branch Organisation**

#### **3.3.1 The Committee**

The Committee preserves a structure representing the geographical spread of its members. Holland and Belgium each have at least two committee members and Luxembourg has at least one.

In addition to the four constitutional posts of Chairman, Vice-Chairman, Secretary and Treasurer there is an Events Sub-Committee and special positions for Newsletter Editor, Website Manager, Membership Records, Young Members and External Liaison.

About 4 meetings of the Committee are held annually and are shared between countries to even out the time burden of travel - in some cases nine hours for the meeting and return journey.

#### **3.3.2 Finance**

The Branch has no fixed assets and its income is mainly derived from an annual grant from the IMechE, contributions to the cost of venues and refreshments and event income. Sponsorship is sought, but in the present business climate is increasingly hard to find. The Branch also benefits from the subvention value of services provided by members and their companies at no cost to the Branch.

About 70% of the annual costs are met by the IMechE grant. The remaining 30% is covered by sponsorship, subvention assistance and event income.

While the Branch receives most of its income in GB Pounds, all of its expenditures are in Euros. Variations in the Pound / Euro rate of exchange are extremely difficult to predict, though historically they have had a significant effect (+/- 15%).

The following table shows:

- Actual income and expenditure for 2002 based on the actual exchange rate received for last year's grant of £1.00 = €1.57.
- Estimated income and expenditure for 2003 based on the actual exchange rate received for this year's grant of £1.00 = €1.47.
- Estimated income and expenditure for the years 2004 to 2008 based on the current exchange rate of £1.00 = €1.42.

Estimates have been made in Euros and converted to Pounds at the above rates.



### FIVE YEAR PLAN 2002 - 2006

	2002	2003	2004	2005	2006	2007	2008
	Act.	Bud.	F'cast	F'cast	F'cast	F'cast	F'cast
<b>Income (£)</b>							
IMechE Grant	6900	6210	6810	6950	7090	7230	7370
Newsletter sponsorship	386	360	0	1050	1070	1090	1110
CRC grant for special event		500					
Event Income	210	1340	1240	1270	1290	1320	1340
Bank Interest	5	3	0	0	0	0	0
<b>Total Income (£)</b>	<b>7501</b>	<b>8413</b>	<b>8050</b>	<b>9270</b>	<b>9450</b>	<b>9640</b>	<b>9820</b>
<b>Expenditure (£)</b>							
Room /Equip.hire	1069	850	1160	1180	1210	1230	1260
Travel / Subsistence	1233	1450	1565	1600	1630	1660	1690
Entertainmnt / Catering	1474	2450	2565	2620	2670	2720	2780
Printing / Stationery	701	840	155	480	490	500	510
Postage / Telephone	646	910	870	890	910	920	940
Clerical Assistance	336	260	195	360	370	370	380
Meeting Expenses	335	1070	425	1000	1010	1030	1050
Sundries / Contingency	353	590	1115	1140	1160	1180	1210
<b>Total Expenditure (£)</b>	<b>6147</b>	<b>8420</b>	<b>8050</b>	<b>9270</b>	<b>9450</b>	<b>9610</b>	<b>9820</b>
<b>Surplus (£)</b>	<b>1354</b>	<b>-7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>0</b>

Explanatory Notes:

- Inflation at an annual rate of 2% has been allowed for in the projected figures.
- The Branch is organising a special event on Industrial Leadership to be held in November 2003. Additional support of £500 from the CRC Fund has been granted.
- Koyo Seiko, the sponsor of our Newsletter, has said that its sponsorship will finish at the end of 2003. The Branch has not yet found a replacement sponsor. Our budget estimate for 2004 has assumed that there will be no income from sponsorship. Our estimates for the years 2005 and onwards assume that a new sponsor will be found and that some of this extra income will be channelled into increased funding for meetings and other events.



## 4 Programme for 2004/5

### 4.1 Annual Planning

Within each year, the Branch will complete the following annual tasks:

<p><b>Annual General Meeting and Report</b>                  Responsible : Hon. Secretary</p>	<p><b>Purpose &amp; Benefits:</b>                  Membership networking &amp; Definition of membership needs from branch</p>
<p><b>Description</b>                  AGM and technical lecture.</p> <p><b>Resources</b>                  Publicity costs (1 mailshot).                  Room hire/refreshments.                  Travel.</p>	<p><b>Publicity</b>                  Web site - Newsletter - IMechE events.</p> <p><b>Follow up/KPI's</b>                  Annual Report to I Mech E.                  Published minutes to members.                  Article in newsletter.                  Action list.                  No. members attending.</p>

<p><b>Membership communication</b>                  Responsible : A Hankinson, Paul Revell</p>	<p><b>Purpose &amp; Benefits:</b>                  Promotion of institution &amp; Membership networking                  Definition of membership needs from branch</p>
<p><b>Description</b>                  Maintain Internet facilities for publicity and communication of Branch activities.                  Quarterly newsletter.</p> <p><b>Resources</b>                  Web site &amp; Newsletter costs.</p>	<p><b>Publicity</b>                  Web site.                  Newsletter.</p> <p><b>Follow up/KPI's</b>                  Timely despatch of Newsletter.                  Feedback on Newsletter.                  Members subscribed to mailing lists.</p>



<p><b>Organisation of Networking Opportunities</b>                  Responsible : A Webb, P Tromans, T Speaight, S Price</p>	<p><b>Purpose &amp; Benefits:</b>                  Technical education                  Promotion of institution                  Membership networking</p>
<p><b>Description</b>                  Arrange 4 Technical and 4 Social Events/yr.</p> <p><b>Resources</b>                  Room and refreshment costs.                  Sundry expenses incurred by organizer.</p>	<p><b>Publicity</b>                  Web site.                  Newsletter.                  IMechE events.                  Other institutions.</p> <p><b>Follow up/KPI's</b>                  Thank you letter.                  Article in newsletter.                  No. attending &amp; profile.                  Participation of non-IMECHE people.</p>

<p><b>Ensure accurate contact information on Branch Membership</b>                  Responsible : M Henderson</p>	<p><b>Purpose &amp; Benefits:</b>                  Consistent and timely communication with members</p>
<p><b>Description</b>                  Maintain a database of members' contact details.</p> <p><b>Resources</b>                  Committee Member.</p>	<p><b>Publicity</b>                  Web site.                  Newsletter.</p> <p><b>Follow up/KPI's</b>                  HQ database which is 'friendly' for overseas contact details.                  No. of returned mailshots.</p>



## 4.2 Long Term Projects

The Branch proposes the following long-term initiatives and to expand the relevance of its activities to the Institution and local members:

### 1. Strengthen links between IMechE and European academic and engineering institutions.

**KPI's**

No. of joint meetings.

Events collaboration with other institutions

Use of other institutions facilities by members/Committee.

**Actions:**

- Participate in the Governance of the CIII in Brussels, and liaison with KIVI in The Hague.
- Improve local contacts with FEANI and CLAIU.
- Arrange joint meetings with other UK institutions.

**Benefits:**

- Facilitation of contacts between IMechE and European Institutions.
- Increased awareness of IMechE as an organisation which has an important contribution to make on issues within the European engineering profession.
- Mutual understanding of UK / European viewpoints.

**Deliverables:**

- Links with European and Benelux academic and engineering institutions.
- Exploit synergies between the IMECHE and CIII.
- Use of facilities afforded by the International Engineers in Brussels Brussels and the KIVI in The Hague.

**Resources:**

- Committee members
- Travel costs.
- CIII fees.



## 2. Improve the quality of Branch Meetings

### KPI's

- No. joint meetings.
- No. visitors at meetings.
- Sponsorship value.

### Actions:

- Arrange joint meetings with other institutions.
- Invite other institutions to participate in Benelux Branch industry meetings on a reciprocal basis.
- Invite high-profile speakers.
- Secure financial support by inviting local companies to sponsor meetings.
- Broaden the appeal to members.

### Benefits:

- Stronger links with European engineering institutions (see 1).
- Higher quality / lower cost presentations.
- Captures members' interest.
- Wider choice of meetings
- Provides input to CPD.

### Deliverables:

- Increased attendance at meetings.
- Reciprocal invitations to attend technical meetings of other institutions.

### Resources:

- Organisers.
- Publicity for events.
- Room hire/catering.
- Speakers' expenses.



### 3. Contribute to IMechE's awareness of European/International affairs

#### KPI's

Support the creation of an IMECHE International Committee.  
No. of contacts with International staff.

#### Actions:

- Participation in IMECHE International Policy making, Trustee Board, Council and CRC Meetings.
- Alert HQ to important European developments likely to affect the profession.

#### Deliverables

- Contacts with officials of the European academic and engineering institutions.
- Reports on new policies, programmes, and developments likely to have an impact on the European engineering profession.
- Encourage the formation of an IMECHE European Network.

#### Benefits:

- Help to keep IMechE members informed on issues important to the profession in Europe.
- Help IMechE to position itself on such issues.

#### Resources

Committee members.  
Travel and entertainment costs.



#### 4. Focus communications with Branch Members

##### KPI's

- Analysis of questionnaire.
- Average attendance at meetings.
- Repeat hits on Web sites.
- Registered members on mailing lists.

##### Actions:

- Issue questionnaire to get members feedback on the Branch and its activities.
- Arrange informal meetings bringing together members and committee members to discuss particular IMechE / Branch issues.

##### Benefits:

- Provides feedback on member satisfaction.
- Identifies members who have a keen interest in Branch affairs and who could be potential candidates for places on the Committee.
- Identifies members who may be prepared to work on Branch sub-committees such as event planning and school liaison.

##### Deliverables:

- Improved communications with members and better knowledge of their needs.
- Candidates for election to Branch committee or sub-committees.
- Increased interest in Branch affairs.

- Committee members.
- Printing and stationary.
- Web site costs.
- Entertainment costs.



## 5. Promote careers in mechanical engineering

		KPI's
		No. of schools visited. No. of workshops held.
<b>Actions:</b>	<b>Benefits:</b>	
<ul style="list-style-type: none"><li>• Encourage members to progress to higher membership grades.</li><li>• Liaise with schools that have a curriculum leading to UK university entry.</li><li>• Maintain a team of senior members to carry out IMechE's professional review interview panels.</li></ul>	<ul style="list-style-type: none"><li>• Stimulates interest in the IMechE.</li><li>• Provides a point of contact for advice to young people considering careers in engineering.</li></ul>	
<b>Deliverables:</b>	<b>Resources:</b>	
<ul style="list-style-type: none"><li>• Hold 'Get-Chartered' workshop for young members.</li><li>• Identify corporate members of 10 years standing who should be encouraged to apply for Fellowship grade.</li><li>• As required, arrange and carry out IMechE Professional Review Interview panels.</li><li>• Identify barriers to progress through the membership grades and try to overcome them.</li></ul>	<ul style="list-style-type: none"><li>Committee and senior members.</li><li>Room hire.</li><li>Travel expenses.</li></ul>	



**6. Develop the Branch theme of '*encouraging the personal development of engineers into industrial leaders*'.**

**KPI's**

Organisation of the Brussels Seminar on Leadership Nov 2003  
Support initiative for an Engineers' Industrial Leadership School in Brussels via  
the CIII

**Actions:**

- Participate in the Governance of the CIII in Brussels.
- Sponsor a Leaders of Industry seminar in Brussels.
- Support the formation of Brussel-based school of Industrial Leadership.

**Deliverables:**

- Links with European and Benelux academic and engineering institutions.
- Exploit synergies between the IMECHE and CIII.

**Benefits:**

- Facilitation of contacts between IMechE and European Institutions.
- Increased awareness of IMechE as an organisation which has an important contribution to make on issues within the European engineering profession.
- Future development opportunities for engineers.

**Resources:**

- Committee members
- Travel costs.
- CIII fees.
- Sponsorship (GBP500) of the Seminar and assistance with publicity.



## 5 Appendix : Regulation of the Engineering Profession in the Benelux.

### 5.1 Basic Structure

The Benelux engineering profession has a two-tier structure. University degrees and the title *Ingenieur Civil* or *Ingenieur (Ir)* are conferred after successfully following a course academic study of 5-years duration.

Superior Technical Institutes offer a 4-year course leading to the degree of *Ingenieur Industriel (Ing)*.

In concept, the roles are quite different. The *Ing* is seen as someone trained for manufacturing, production, operation and maintenance engineering while the *Ir* is seen as someone having a more managerial, conceptual, analytical and strategic role. In reality there is a considerable overlap in the careers of engineers of each type.

The Universities offering 5 year engineering degrees are :

Belgium : Louvain-La-Neuve, Leuven, Mons, Gent, Liege, the Free University of Brussels and the Royal Military Academy.

The Netherlands : Delft, Eindhoven, and Twente Technical Universities.

Having completed the academic education, the Benelux engineer is not required to undergo any further formal qualification. His title, *Ir* or *Ing*, is protected in law and no unqualified person may call himself *Ingenieur*. There are no legal requirements for professional engineering qualifications or titles.

Since the number of universities offering 5 year degrees are limited the demand for graduates and their career prospects are high. However there has been a recent steady decline in applications for engineering degree courses throughout the Benelux.

### 5.2 European Representation

Two organisations contend to represent professional engineers in Europe. As they are pan-European organisations, the European Commission listens to and seeks advice on professional engineering issues from each of them.

**FEANI**, which seeks to promote the title *European Engineer (Eur Ing)* as the qualification for professional engineers, is not well supported by continental engineers, perhaps because they see no requirement for a professional title. Only about half of its 20,000 members are from the continent; the rest are British.

The other organisation, **CLAIU**, represents engineers from universities with a 5-year curriculum. It spans eight European countries but not one UK University is listed as a member.



### 5.3 *Belgian Representation*

Each graduate from a university that awards the *Ingénieur Civil (Ir)* degree can become a member of his own university association. These associations are united under two umbrella bodies; *FABI*, representing the engineers in the French speaking part of Belgium and *KVIV* representing those in the Flemish speaking part.

At the university association level the activities are social and "club-like", whereas *FABI* and *KVIV* promote technical and business events, publications, international relations, ethics, defence of the *Ir* title and of engineers' salaries. *FABI and KVIV* have about 12,000 members each, representing some two-thirds of all *Ir*'s.

Professional representation of engineers from the Superior Technical Institutes is by a separate body, the *UFIB*.

### 5.4 *Luxembourg Representation*

In Luxembourg, the main engineering institution of interest is the Association Luxembourgeoise des Ingénieurs Indépendant with 1200 members. It promotes the title and interests of engineers, training, and co-operation with national and international organisations. It organises visits and other events for its members.

A second organisation is the Ordre des Architectes et Ingénieurs Conseils with about 700 members. It is primarily for architects and civil engineers but acts as a catch all. Independent engineers must legally be a member. The Ordre offers professional insurance, geared towards architecture.

### 5.5 *Netherlands Representation*

There are three, multi-discipline, engineering institutions in the Netherlands. They have only one grade of membership - Member, which is possible only after completing the required technical engineering education. There are no requirements for professional engineering qualifications, titles or post-nominals in The Netherlands. The institutions are:

- Koninklijk Instituut van Ingenieurs (KIVI) (Royal Institution of Engineers in The Netherlands). Total membership 15000 approx. - For university educated technical Engineers (*Ir*) from the technical universities of Delft, Eindhoven, Wageningen and Twente:
- Koninklijke Landbouwkundige Vereniging (KLV) (Royal Agricultural Engineers Association) Total membership: 8 000 approx. - For agricultural engineers (*Ir*) from the technical university of Wageningen:
- Nederlandse Ingenieursvereniging NIRIA (Netherlands Engineers Association NIRIA). Total membership: 17 000 approx. - For polytechnic educated engineers (*Ing*)

Note: During 2003 discussions are taking place between KIVI and NIRIA on a proposal to merge these two engineering institutions.

Dutch engineers of all disciplines are usually multi-lingual and have access to all types of technical and business education programmes and materials in a wide range of languages, including English.



## 5.6 Abbreviations of Organisations

### In the Netherlands

KIVI	Koninklijk Instituut van Ingenieurs Royal Institution of Engineers in the Netherlands	<a href="http://www.kivi.nl">www.kivi.nl</a>
KLV	Koninklijke Laanbouwkundige Vereniging Royal Agricultural Engineers Association	
NIRIA	Nederlandse Ingenieursvereniging NIRIA Netherlands Association of Engineers	<a href="http://www.niria.nl">www.niria.nl</a>

### In Belgium & Luxembourg

SRBII	Société Royale Belge des Ingénieurs est des Industriels	<a href="http://www.srbii.be">www.srbii.be</a>
FABI	Fédération Royale d'Associations Belge d'Ingénieurs Civils et d'Ingénieurs Agronomes.	<a href="http://www.fabi.be">www.fabi.be</a>
KVIV	Koninklijke Vlaamse Ingenieursvereniging	<a href="http://www.kviv.be">www.kviv.be</a>
UFIIB	Union Fédération Ingénieurs Industriels Belge	<a href="http://www.ufiib.be">www.ufiib.be</a>
OAIC	Ordre des Architectes et Ingénieurs Conseils	
ALII	Association Luxembourgeoise des Ingénieurs Indépendants	
BSMEE	Belgian Society of Mechanical and Environmental Engineering	<a href="http://mrdec.fpms.ac.be/~bsmee/">mrdec.fpms.ac.be/~bsmee/</a>
CIII	Club International des Ingénieurs et Industriels International Club for Engineers and Industrialists	
IMECHE Benelux Branch		<a href="http://www.imechebenelux.org">www.imechebenelux.org</a>

### European organisations

FEANI	Fédération Européenne des Associations Nationales des Ingénieurs European Federation of National Engineering Associations	<a href="http://www.feani.org">www.feani.org</a>
CLAIU	Comité de Liaison des Associations d'Ingénieurs Universitaires de la Communauté Liaison Committee of University Engineering Associations of the European Community	<a href="http://www.claiu.org">www.claiu.org</a>
SEFI	European Society for Engineering Education	<a href="http://www.ntb.ch/SEFI/Index.html">http://www.ntb.ch/SEFI/Index.html</a>