A world map is shown in silhouette against a dark background. The map is overlaid with a grid of glowing golden lines that create a sense of global connectivity. The continents are labeled with their names in a light, sans-serif font: AFRICA, AUSTRALIA, and parts of ASIA and AMERICA are visible. The title 'OUR NETWORKS AND COLLABORATION' is centered over the map in a large, white, bold, sans-serif font, framed by two horizontal white lines.

OUR NETWORKS AND COLLABORATION

“UTM-FKA still maintained its quality management system of ISO 9001: 2008 and laboratory testing of ISO 17025 in its quality assurance pledge to provide quality education for our students and staff.”

OUR NETWORKS AND COLLABORATION

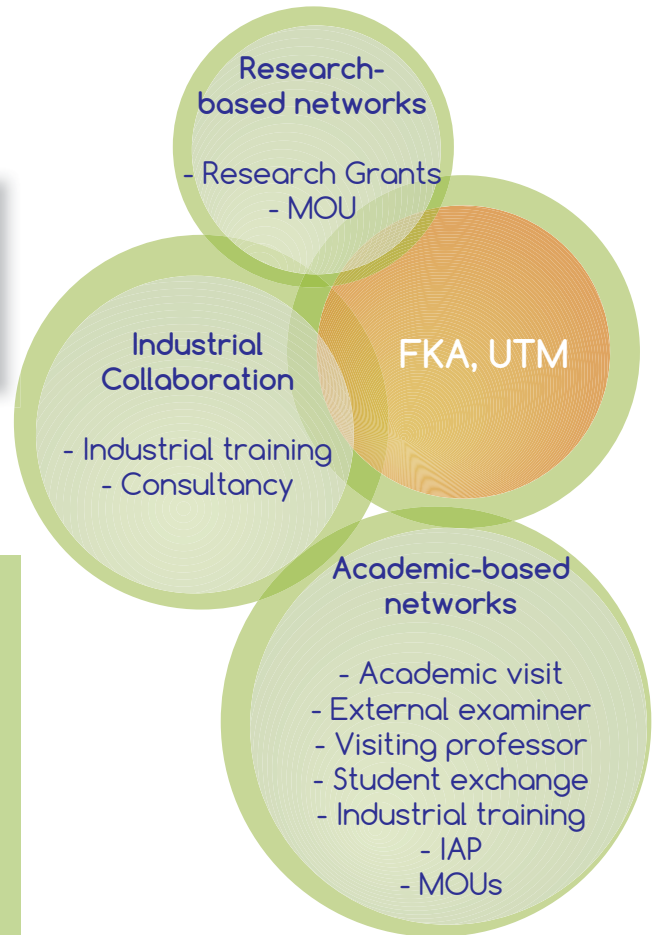
Our networks and collaboration with the local and international organizations has developed significantly in time. In the year 2012, we have secured numbers of joint-research, student exchange program, visiting professors, industrial training advisory program and various consultancies with the industry as well as government bodies.

This has enriched our networks and our visibility worldwide. Our linkages with the outside parties are developed from our continuous research activities, academic program, and industrial collaboration. We have spread our wings to establish networking at both national and international levels.

The faculty management and staff have established strong linkages with universities all around the world.

19 Existing National Linkages with Universities and Industries

34 Existing International Linkages with Universities and Industries



International Linkages

In 2012, the faculty members have visited or being visited by 23 universities and 11 international company and associations from overseas. Through the Global Outreach program, both the academic staff and students from UTM-FKA are able to have some exchange of knowledge and culture with peoples from different countries.

Several MOU and MOA were signed between UTM-FKA with our counterparts during these visits. Another fruitful outcome from these visits would be establishing several research collaborations with the Universities, companies and associations, for example, with the Takeda Pharmaceutical Company Limited and Tajimi Construction Association, in Japan.

11 Industrial collaboration

6 Research grants

12 Countries for international networks

14 MOUs

23 Universities for international networks

International research funding

- Organizer of SD China 2013
- Tajimi General Constructors Association (TGCA)
- TAKEDA Co. Ltd.
- Asset Construction INC
- General Constructors Cooperative Business Association of Tono, GCCBAT Japan
- Schaefer Systems International Sdn Bhd

Joint research and international funding of the in 2012 (details in Appendix 8.1)

14 MOUs with international agencies

- Tajimi General Constructors Association (TGCA)
- Takeda Co. Ltd (TCL)
- Universiti Riau
- Lasbela University of Agriculture, Water and Marine Sciences (LUAWMS), Uthal Pakistan
- Universitas Islam Negeri (UIN) Maulana Malik Ibrahim Malang, Indonesia
- InstituteTechnology of Cambodia (ITC)
- Asset Construction Inc., Japan
- General Constructions Cooperative
- Business Association Of Tono (GCCBAT), Japan
- etc.

Memorandum of understanding between the faculty and international bodies in 2012 (details in Appendix 8.1)



International industrial collaboration of the faculty in 2012

OUR NETWORKS AND COLLABORATION

International academic-based networks

Short-term:
Academic visit

Long-term:
Staff/student exchange

Inbound

Outbound

9 countries, 14 universities

- School of Chemistry, Bristol United Kingdom
- Nagoya Institute of Technology, Japan
- Konkuk University, Korea
- Yonsei University, Korea
- National Taiwan University, NTU
- National Tsing Hua University
- National University of Science & Technology
- Tokyo & Iwate Prefecture, Japan
- Nanyang Technical University, Singapore
- National University of Science and Technology, Seoul Korea
- National Centre for Research and Earthquake Engineering (NCREE) Taipei, Taiwan
- Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia
- etc.

*Our international networks in academic collaborations for 2012
(details in Appendix 8.1)*

Students

- | | |
|--|--|
| <ul style="list-style-type: none"> ● India Institute of Technology, IIT ● Institut Teknologi Sepuluh Nopember, ITS Surabaya Indonesia (Summer school Water Management) | <ul style="list-style-type: none"> ● Indonesia, China, Singapore, Yemen (Industrial training) ● Tokyo & Iwate Prefecture (student exchange) ● ITS (Summer school Construction Management) |
|--|--|

Staff

External Examiner:

- Professor David A Nethercot, Imperial College

Visiting Professor

- Prof. Roger James Plank, University of Sheffield
- Dr. Paul J. Sallis, Newcastle University
- Professor Lebet, EPFL
- Professor Lestuzzi, EPFL
- Professor Pramod, EPFL

Industrial attachment:

- Place, Dr. Hisham Mohamad
- University of Taibah, KSA, Dr. Norhan

Local Linkages

At national level, UTM has been one of the top universities in Malaysia that is always benchmarked by others. In 2012, UTM-FKA has been visited by 12 local universities, 7 government agencies and other institutions for that purpose. In developing new technology and solving problems for local industries, the faculty members have established numbers of research projects with local industries, such as, Petronas Carigali Sdn. Bhd. and Indah Water Konsortium Sdn. Bhd. In 2012, we have collaborated with 256 private companies for student's industrial practices. Up to now, we have collaboration in more than 900 private companies for our student's practical training.

Facts and Figures

- Local networks
- 256 private companies
- 18 main industrial key players for IAP
- 12 local universities
- 7 government agencies

256 Private companies

7 Government agencies

12 Local universities

18 Main industrial key players for IAP

Faculty of Civil Engineering, UTM Skudai

- Jabatan Kerja Raya, JKR
- Jabatan Alam Sekitar, JAS
- Jabatan Pengairan dan Saliran, JPS
- Kementerian Kerja Raya Malaysia
- Kementerian Pertanian & Industri Asas Tani
- Ministry of Higher Education, MoHE
- Ministry of Science, Technology and Innovation, MOSTI
- etc.

- Construction Industry Development Board, CIDB
- Construction Research Institute of Malaysia, CREAM
- Lembaga Kemajuan Johor Tenggara, KEJORA
- Lembaga Lebuhraya Malaysia, LLM
- Institute of Engineers Malaysia, IEM
- etc.

- | | |
|------------------------------------|---|
| ● KLIA Premier Holdings Sdn. Bhd. | ● Petronas Gas Berhad |
| ● Shell Refining Company Berhad | ● UEM Builders Berhad |
| ● Indah Water Konsortium Sdn. Bhd. | ● Jambatan Kedua Sdn. Bhd. |
| ● Johor Land Berhad | ● Syarikat Air Johor Holdings Sdn. Bhd. |
| ● Senai-Desaru Expressway Berhad | ● MMC-Gamuda Group |
| ● Kompakar Inc. Bhd. | ● etc. |

Collaboration with local agencies; government sectors and private institutions (details in Appendix 8.2)

OUR NETWORKS AND COLLABORATION



Universiti Sains Malaysia
(USM)



Universiti Malaya
(UM)



Universiti Kebangsaan
Malaysia
(UKM)



Universiti Putra Malaysia
(UPM)



Universiti Teknologi MARA
(UiTM)



Universiti Islam
Antarabangsa Malaysia
(UIAM)



Universiti Tun Hussein
Onn Malaysia
(UTHM)



Universiti Pertahanan
Nasional Malaysia



Universiti Teknikal
Malaysia Melaka
(UTEM)



Universiti Malaysia Sabah
(UMS)



Universiti Malaysia
Sarawak
(UNIMAS)



Universiti Darul Iman
Malaysia
(UDM)

Research-based networks with local universities

