



# Intellectual Capital Indicators 2012



# INTELLECTUAL CAPITAL INDICATORS

Intellectual capital indicators are summarised for the five AIT departments. The period under review is 1 January – 31 December 2012.

	2011	2012
<b>Intellectual Capital Indicators</b>		
<b>Human Resources</b>		
Number of employees (full-time equivalents = FTEs)	664,8	683,5
Number of employees (headcount)	699	729
Number of researchers (headcount)	434	448
Proportion of research staff (% headcount)	62,1	61,5
New employees hired - total (FTE)	82,7	77,3
New research staff (FTE)	59,9	53,2
Total employees departing (FTE)	73,7	56,4
Total research staff departing (FTE)	42,4	31,6
Total retirements	13	8
Percentage of female employees (%)	24,4	26,1
Percentage of female research staff (%)	14,8	15,7
Women in senior positions (%)	30	27,9
Women on supervisory and advisory boards (%)	20,1	20,6

## Training

Total training days per employee	4,03	4,37
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## Structural Capital

### Processes and equipment

Capital investment (% of operating revenues)	1,9	3,8
Capital investment in large research equipment (> 70.000 EUR) in .000 EUR	1.976	3.213
Floor space (m <sup>2</sup> )	71.771	74.560
thereof laboratory space (m <sup>2</sup> )	8.038	7.663

## Relational Capital

### Project cooperation

Number of international researchers	103	113
Number of lectures	156	156
Number of PhD students	82	153
Number of international PhD students	33	33
Number of diploma students	73	88
Employees with postdoctoral lecture qualification	22	22

## Core processes

Strategic Research	2011	2012
Funding for strategic research (in '000 EUR)	35.569	33.444

## Contract Research

Number of projects with AIT project volume < 70.000 EUR	560	524
Project volume with AIT volume < 70.000 EUR (in '000 EUR)	7.755	7.910
Number of projects with AIT project volume > 70.000 EUR	49	52
Project volume with AIT volume > 70.000 EUR (in '000 EUR)	6.938	12.968
Average volume/project (without projects < 5.000 EUR) (in '000 EUR)	64	77

## Cooperative Research

Funding from national funding programmes (in '000 EUR)	16.778	18.614
Funding from national funding programmes with AIT-share > 70.000 EUR (in '000 EUR)	15.088	16.523
Number of nationally funded projects with AIT-share > 70.000 EUR	78	73
Funding from European and international funding programmes (in '000 EUR)	6.220	8.741
Funding from European and international funding programmes with AIT-share > 100.000 EUR (in '000 EUR)	7.767	7.576
Number of European and internationally funded projects with AIT-share > 100.000 EUR	31	28

## Results

### Commercial results

Total income of AIT Departments (in '000 EUR)	77.332	82.311
Value added (in % of the total income)	82,6	86,6
Total income from contract research (in '000 EUR)	21.061	21.514
Orders intake from industry (in %)	84,6	89,7
Orders intake from public bodies (in %)	15,4	10,3
Total external funding for cooperative research (in '000 EUR)	22.455	27.353
Income from licences (in '000 EUR)	1.649	2.918

### Research results

Publications in peer-reviewed journals with SCI	143	143
Publications in peer-reviewed journals without SCI	36	40
Publications in peer-reviewed journals per researcher	0,41	0,41
Conference papers with peer-review process	268	303
Conference papers without peer-review process	227	183
Patents granted (national/international)	15	20
Invited Lectures and key notes	94	163
Dissertations completed	12	18
Diploma theses completed	51	55

# DEFINITION OF INDICATORS

## Intellectual Capital Indicators

### Human Resources

**Number of employees (full-time equivalents = FTEs)** As on 31 December of the period under review Full-time equivalent staff – not including trainees, staff on unpaid leave, completing military service, on parental leave

**Number of employees (headcount)** Number of staff – not including trainees, staff on unpaid leave, completing military service, on parental leave

**Number of researchers (headcount)** Number of staff with university degrees, excluding graduates with administrative responsibilities as of 31 December of the year under review

**Proportion of research staff (% headcount)** Number of researchers (headcount) / number of staff (headcount)

**New employees hired - total (FTE)** Number of new employees (full-time equivalents) joining the AIT in the period under review

**New research staff (FTE)** Number of new researchers (full-time equivalents) joining the AIT in the period under review

**Total employees departing (FTE)** Total number of staff who left the AIT during the period under review

**Total research staff departing (FTE)** Number of researchers leaving the employ of the AIT during the period under review

**Total retirements** Number of employees who retired during the period under review

**Percentage of female employees (%)** Full-time equivalent female staff/full-time equivalents of all staff

**Percentage of female research staff (%)** Full-time equivalent women research staff / full-time equivalents of all research staff

**Women in senior positions (%)** Number of women in senior positions / total number of senior positions. Senior positions are defined as managers, authorized signatories, department heads and heads of business units. Only one position is counted if several positions are held simultaneously or within the same period

**Women on supervisory and advisory boards (%)** Number of women on supervisory and advisory boards / total number of supervisory and advisory board members

### Training

**Total training days per employee** Number of training days excluding attendance at conferences and seminars per employee (full-time equivalent)

## Structural Capital

### Processes and equipment

**Capital investment (% of operating revenues)** Assets acquired not including buildings and technical infrastructure (incl. IT infrastructure) / total operating revenues

**Capital investment in large research equipment (> 70.000 Euro) in '000 EUR** Research equipment > 70.000 Euro acquired in the year under review in '000 EUR

**Floor space (m<sup>2</sup>)** Entire AIT area (m<sup>2</sup>)

**thereof laboratory space (m<sup>2</sup>)** Laboratory space as part of the entire AIT area

## Relational Capital

### Project cooperation

**Number of international researchers** Number of AIT researchers of nationalities other than Austrian

**Number of lectures** Number of lectures held at universities, technical colleges or postgraduate educational institutions and listed in the university or college catalogue. The period of review is the academic year, i.e. winter semester and the following summer semester

**Number of PhD students** Number of individuals working on doctoral theses at AIT in the period under review, i.e. supervised by AIT staff – regardless of grants and including AIT staff working on theses

**Number of international PhD students** Number of individuals of nationalities other than Austrian working on doctoral theses at AIT in the period under review

**Number of diploma students** Number of individuals working on diploma theses at AIT in the period under review – regardless of grants and including AIT staff working on diploma theses

**Employees with postdoctoral lecture qualification** Number of employees with postdoctoral lecture qualification

## Core processes

### Strategic Research

**Funding for strategic research (in '000 EUR)** Sum of the P&L (profit and loss) income in the period under review

## Contract Research

**Number of projects with AIT project volume < 70.000 EUR** Number of received orders in the period under review which are smaller than 70.000 EUR

**Project volume with AIT volume < 70.000 EUR (in '000 EUR)** Total project volume of received orders (in '000 EUR) in the period under review which are smaller than 70.000 EUR

**Number of projects with AIT project volume > 70.000 EUR** Number of received orders in the period under review exceeding 70.000 EUR

**Project volume with AIT volume > 70.000 EUR (in '000 EUR)** Total project volume of received orders (in '000 EUR) in the period under review exceeding 70.000 EUR

**Average volume/project (without projects < 5.000 EUR) (in '000 EUR)** Average sum of the total revenue (in '000 EUR) of all open projects in the period under review with the exception of small projects with a revenue smaller than 5.000 EUR

## Cooperative Research

**Funding from national funding programmes (in '000 EUR)** Sum of P&L income in '000 EUR gained from national funding agencies or programmes

**Funding from national funding programmes with AIT-share > 70.000 EUR (in '000 EUR)** Sum of received research funding in '000 EUR from national funding agencies or programmes exceeding 70.000 EUR

**Number of nationally funded projects with AIT-share > 70.000 EUR** Number of projects gained from national funding agencies or programmes where the income exceeds 70.000 EUR

**Funding from European and international funding programmes (in '000 EUR)** Sum of received research funding in '000 gained from European and other international funding agencies and programmes

**Funding from European and international funding programmes with AIT-share > 100.000 EUR (in '000 EUR)** Sum of received research funding in '000 EUR from European and other international funding agencies or programmes exceeding 100.000 EUR

**Number of European and and internationally funded projects with AIT-share > 100.000 EUR** Number of research projects gained from European and other international funding agencies or programmes exceeding 100.000 EUR

## Results

### Commercial results

**Total income of AIT Departments (in '000 EUR)** Sum of the total income in '000 EUR of the 5 Departments in the period under review without other income

**Value added (in % of the total income)** Value added in percentage of the Profit Centre costs in comparison to the total P&L Income

**Total income from contract research (in '000 EUR)** Sum of the P&L Income in '000 EUR in the period under review including the internal income from industry benefits (incl. small scale projects)

**Orders intake from industry (in %)** Percentage of the incoming orders placed by industry

**Orders intake from public bodies (in %)** Percentage of the incoming orders placed by public bodies

**Total external funding for cooperative research (in '000 EUR)** Total Sum of the P&L income gained from external funding (national and international funding agencies or programmes) in '000 EUR in the period under review

**Income from licences (in '000 EUR)** Income from licences (patents, software, hardware) (in '000 EUR)

### Research results

**Publications in peer-reviewed journals with SCI** Articles published in scientific journals quoted by ISI in the Science Citation Index (SCI)

**Publications in peer-reviewed journals without SCI** Articles published in scientific journals not quoted by ISI in the Science Citation Index (SCI)

**Publications in peer-reviewed journals per researcher** Total number of articles published in scientific journals per researcher.

**Conference papers with peer-review process** Total number of conference papers published as complete articles in conference proceedings subjected to a peer review process

**Conference papers without peer-review process** Total number of conference papers published as complete articles in conference proceedings without a peer review process

**Patents granted (national/international)** Number of inventions for which a patent has been granted and published in the Austrian Official Gazette (Patentblatt) (only one patent per invention)

**Invited Lectures and key notes** Invited Lectures and key note speeches at international scientific conferences

**Dissertations completed** Number of doctoral theses approved that were supervised by AIT staff, including theses submitted by AIT staff

**Diploma theses completed** Number of diploma thesis approved that were supervised by AIT staff, including theses submitted by AIT staff

Imprint:

Publisher and content: AIT Austrian Institute of Technology GmbH, Corporate and Marketing Communications,  
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