



**AUSTRIAN INSTITUTE
OF TECHNOLOGY**

TOMORROW TODAY

Intellectual
Capital Indicators

2013

Intellectual Capital Indicators

The data shows the development of the five departments of the AIT Austrian Institute of Technology GmbH in the strategic period 2010 – 2013.

	2010	2011	2012	2013
Intellectual Capital Indicators				
Human Resources				
Number of employees (full-time equivalents = FTEs)	649,4	664,8	683,5	715,1
Number of employees (headcount)	687	699	729	764
Number of researchers (headcount)	427	434	448	482
Proportion of research staff (% headcount)	62,2	62,1	61,5	63,09
New employees hired – total (FTE)	71,2	82,7	77,3	100,8
New research staff (FTE)	52	59,9	53,2	68,9
Total employees departing (FTE)	103,7	73,7	56,4	68,7
Total research staff departing (FTE)	65,4	42,4	31,6	41,7
Total retirements	7	13	8	12
Percentage of female employees (%)	24,1	24,4	26,1	27,2
Percentage of female research staff (%)	14,8	14,8	15,7	17,5
Women in senior positions (%)	23,3	30	27,9	22,5
Women on supervisory and advisory boards (%)	22,6	20,1	20,6	11,8
Training				
Total training days per employee	4,41	4,03	4,37	2,92
Structural Capital				
Processes and equipment				
Capital investment (% of operating revenues)	5,9	1,89	3,80	4,41
Capital investment in large research equipment (→ 70.000 Euro) in '000 EUR	2.625	1.976,00	3.213,00	3.630,00
Floor space (m ²)	72856,16	71770,62	74.560,39	74.556,25
thereof laboratory space (m ²)	5257,07	8037,64	7.662,96	7.175,48
Relational Capital				
Project cooperation				
Number of international researchers	103	103	113	125
Number of lectures	89	156	156	156
Number of PhD students	103	82	153	191
Number of international PhD students	29	33	33	72
Number of diploma students	61	73	88	95
Employees with postdoctoral lecture qualification	20	22	22	24

2010 2011 2012 2013

Core processes Strategic Research

Funding for strategic research (in '000 EUR)	34.134	35.569	33.444	34.559
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Contract Research

Number of projects with AIT project volume ← 70.000EUR	569	560	524	519
Project volume with AIT volume ← 70.000 EUR (in '000 EUR)	7.265	7.755	7.910	7.612
Number of projects with AIT project volume → 70.000 EUR	53	49	52	42
Project volume with AIT volume → 70.000 EUR (in '000 EUR)	16.703	6.938	12.968	7.942
Average volume/project (without projects ← 5.000 EUR) (in '000 EUR)	64	64	77	60

Cooperative Research

Funding from national funding programmes (in '000 EUR)	15.254	16.778	18.614	15.742
Funding from national funding programmes with AIT-share → 70.000 EUR (in '000 EUR)	18.460	15.088	16.523	15.077
Number of national funded projects with AIT-share → 70.000 EUR	76	78	73	63
Funding from European and international funding programmes (in '000 EUR)	5.031	6.220	8.741	9.524
Funding from European and international funding programmes with AIT-share → 100.000EUR (in '000 EUR)	7.056	7.767	7.576	9.613
Number of European and international funding projects with AIT-share → 100.000 EUR	21	31	28	35

Results

Commercial results

Total income of AIT Departments (in '000 EUR)	75.824	77.332	82.311	79.228
Value added (in % of the total income)	78,5%	82,6%	86,6%	94,1%
Total income from contract research (in '000 EUR)	21.405	21.061	21.514	18.884
Orders intake from industry (in %)	89,4%	84,6%	89,7%	86,1%
Orders intake from public bodies (in %)	10,6%	15,4%	10,3%	13,9%
Total external funding for cooperative research (in '000 EUR)	20.285	22.455	27.353	25.785
Income from licences (in '000 EUR)	1.916	1.649	2.918	3.029

Research results

Publications in peer-reviewed journals with SCI	138	143	143	183
Publications in peer reviewed journals without SCI	39	36	40	39
Publications in peer-reviewed journals per researcher	0,41	0,41	0,41	0,46
Conference papers with peer-review process	193	268	303	328
Conference papers without peer-review process	155	227	183	136
Patents granted (national/international)	16	15	20	22
Invited Lectures and key notes	104	94	163	185
Dissertations completed	11	12	18	20
Diploma theses completed	40	51	55	53

Definition of Indicators

Intellectual Capital Indicators

Human Resources

Number of employees (full-time equivalents = FTEs) As at 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 (%)

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 (m²) Entire AIT area (m²)

thereof laboratory space (m²) Laboratory space as part of the entire AIT areal

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 from 2009

Contract Research

Number of projects with AIT project volume < 70.000EUR 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 national 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 > 100.000EUR (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 international funding 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 from 2009 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 2009

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.

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