



Gelderland & Overijssel
Combined Innovation Force
Summary Annual Report

2012

Operational Programme ERDF 2007-2013. East Netherlands Region



European Union
European Regional Development Fund

Investing in your future!

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Preface

In this annual report I would like to invite you to look back with me at an 'innovative' 2012. The GO programme has become an integral part of the East Netherlands region. Expectations are that the programme's total scope will be even bigger than estimated at the start.

The budgeted investment impulse of €363 million is expected to increase by 50% with a final figure of €540 million. This is mainly the result of the considerable contributions to the programme by local authorities and private parties.

At the present time, the largest part of the ERDF subsidies for the 2007-2013 period has been granted; almost 90% of the available budget of €164 million was already granted year-end 2012. This justifies a first conclusion: despite economic hard times, there is still sufficient need to invest in sectors with high levels of innovation.

I must say I am really proud of the final result!

Various collaborations were initiated in which the business community cooperates with knowledge institutes. In 2012, a total 31 project applications in the three Priorities was accepted, involving a European subsidy amount of €23.4 million. We expect the 2012 projects decided on, to finally result in 645 jobs in East Netherlands. And this is quite important in these times as the Netherlands is facing a recession. Subsidies have made it possible to contribute to a stabilisation of unemployment in East Netherlands in 2012.

I am pleased to see that the projects are successful. One of them is Salland Engineering from Zwolle. Via project X750 they have developed an innovative device to test computer chips. They received a 'Gazellen Award' for one of the fastest growing enterprises of 2012. A fine example of reinforcement of innovation and technology.

In 2013, we will continue the programme as before and in the meantime we are working on the preparations for the next ERDF period 2014-2020. We have fine ambitions for the future: stabilise the investment climate in East Netherlands through the ERDF subsidies, offer continuity in the knowledge economy and set up a transparent

innovation policy for the sectors Health, Food(agro) and Hightech Systems and Materials. This will be our challenge.

In the discussion about a central or decentralised supervision in Gelderland and Overijssel, I – just as the European Commission – place great store by a regional management of structural funds. In order to meet the ERDF objectives of sustainable growth, inclusive growth and smart growth, I feel we should continue to stimulate the business community and the knowledge institutes regionally in their innovations, cooperation and entrepreneurship. And we will continue to work on maintaining and reinforcing our position as innovative and leading region within Europe.

*Dr. Annemieke Traag
Chairman Supervisory Committee OP Oost
(Operational Programme East Netherlands)
Member of the Provincial Executive of Gelderland.*



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Introduction

OP Oost's (Operational Programme East Netherlands) main target is "developing East Netherlands into a leading European innovative region". The GO programme is a joint programme of the Provinces of Gelderland and Overijssel with the five urban networks located in the region: Urban Region Arnhem Nijmegen (Stadsregio Arnhem Nijmegen), Network City Twente, Zwolle-Kampen Network City, The Valley Region and the Urban Triangle (Stedendriehoek). In the Provinces of Gelderland and Overijssel, the programme is implemented under the title: "GO Gelderland & Overijssel, Combined Innovation Force".

The European Commission supports the OP Oost (Operational Programme East Netherlands) from the European Regional Development Fund (ERDF). The fund is one of the instruments deployed by the European Commission for its target of turning the European Union into the most prosperous and competitive region in the world.

Targets, strategy and socioeconomic developments

Food Valley, Health Valley & Technology Valley and the (Urban)Triangle are the driving forces behind the development of the knowledge economy in the region and constitute the foundation of the GO programme. In addition to the Triangle, there is ample room for new, upcoming knowledge clusters. More and more projects were realised in the course of the programme, in which partners from the various Valleys collaborated.

The priorities of the Dutch ERDF Operational Programmes are worked out in four subtargets:

- Reinforcing the knowledge economy and the regional innovation potential by deploying and enhancing the knowledge clusters present;
- Reinforcing the competitive position of the business community, stimulating entrepreneurship and creating sustainable employment;

- Increasing the attractiveness and the quality of life of East Netherlands, especially in the urban networks;
- Increasing the socioeconomic appeal of the urban areas.

For the realisation of programme's main target and subtargets, activities are developed in three Priorities and five measures. These are:

- **Priority 1: Knowledge economy, entrepreneurship and innovation**
 - Measure 1.1: Reinforce knowledge clusters Food, Health and Technology
 - Measure 1.2: Enhance the innovation power and competition position of the business community
- **Priority 2: Reinforce innovation climate in urban networks**
 - Measure 2.1: Improve accessibility and mobility
 - Measure 2.2: Improve quality of working and living environment
- **Priority 3: Attractive towns**
 - Measure 3.1: Comprehensive district approach
- **Priority 4: Technical assistance**
 - This point was included to guarantee an effective and efficient execution of the programme.

A set of indicators, determined at national level, is used as basis for programme monitoring.

At European level, the horizontal policy priorities 'equal opportunities for men and women' and 'environment and sustainability' have been high on the agenda for a long time already. OP Oost has opted to include these themes in the preparation and realisation of all projects and not to establish any separate Priorities. In 2011, the Supervisory Committee discussed the theme of sustainability with the programme office through a memorandum. The Supervisory Committee was presented an overview of the scores of all projects on sustainability in 2012.



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GO programme contribution to the development of the regional economy

The GO programme aims at stimulating employment in innovative economic activity, supporting the (entrepreneurship of) start-ups and small businesses and improve the accessibility of business parks. Of the total of over 1,400,000 employment opportunities in East Netherlands, the 2,175 new jobs realised through the GO programme, constitute a mere 0.17 percentage. Based on the known figures we will realise more employment in the programme, but the effect is limited. Zooming in on the economic activity in the sectors Hightech, Materials and Chemistry, we reach a higher score. And even higher with respect to innovation activities, networking and accessibility. That's where the programme's focus areas lie.

On the one hand we support the development of new products in the Food, Health and Hightech sectors - which has lead to good results. On the other hand we co-finance projects that reinforce the entrepreneurship of start-ups in the sectors Hightech, Material and Chemistry (within Priority 1) and start-ups and small businesses in urban districts (Priority 3). We take employment opportunities into consideration for both the highly educated and those with poor qualifications.

Supervisory Committee in 2012

In 2012, the Supervisory Committee was called up three times. The meetings are held as much as possible on locations that receive a contribution from the programme. On 26 April, there was a work meeting in the Provincial Government Building in Arnhem. The annual report 2011 was discussed. On 1 June, the Supervisory Committee convened in the Polymer Science Park in Zwolle. The annual report

2011 was adopted, the members were informed on the progress of the programme in the Priorities 1, 2 and 3 and we discussed the future cohesion policy of the European Union and the resulting opportunities for East Netherlands. The Supervisory Committee adjusted some parts of the assessment framework. Afterwards the members had the chance to get to know the Polymer Science Park and the participating businesses. The third meeting was planned for 7 December in the Huygens building of the Radboud University in Nijmegen. After the meeting, a visit to the Radboud Solar Cell Group was planned, part of the ERDF project Innovation 2 Industrialisation/TF2 devices. Due to considerable snowfall, the meeting was cancelled.

The Steering Committees in 2012

There are two Steering Committees in place for the assessment of the contents of the projects. They advise the Managing Authority on the substantive quality of projects. Both Steering Committees have independent chairmen and are based on separate content Priorities of the Operational Programme East Netherlands OP Oost.

In 2012, the Audit Authority carried out system and project audits concerning the operation of administration and control systems with the Managing Authority East Netherlands. In 2012 as well, the Managing Authority had various meetings with the Audit Authority to discuss cost eligibility and the level of required substantiation. The Managing Authority places great store by a high quality of programme execution and is at all times engaged in the professionalization of the organisation. The high score of 1 by the Government Audit Department (RAD) reflects this. The Managing Authority is very pleased with this result.



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NOES DE VRIES, CEO OF UROGYN

“The Netherlands uses one billion euro worth of incontinence aids every year. In Germany this amounts to three to five billion euro. And in the US even up to 63 billion euro! Not just huge sums of money but also an enormous environmental impact.”



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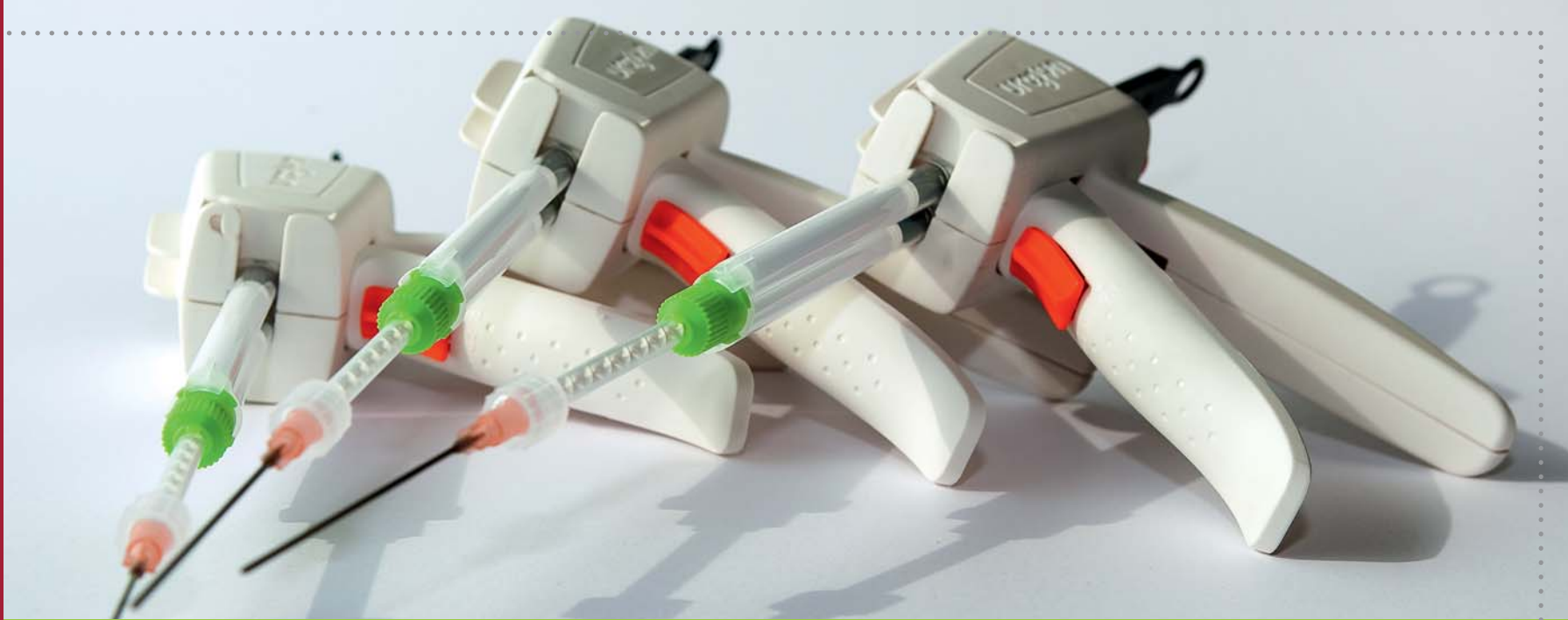
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Current treatments of stress incontinence offer little help or are quite radical. The Nijmegen company Urogyn developed Urolastic. According to Urogyn CEO Noes de Vries, the answer to this uncomfortable condition. "Moreover, Urolastic offers even more application options that are important for urologists, the environment, cost reductions but especially the social life of all patients with stress incontinence."

Urolastic, finally the answer to stress incontinence with women

Worldwide 120 million women suffer from stress incontinence. They have no control over urine loss with exertion, coughing or laughing. Sometimes just a few drops, sometimes larger amounts each time. Causes may be pregnancy, an accident, pelvic floor prolapse or menopause. The most commonly used method against stress incontinence is placing a Tension-Free Vaginal Tape (TVT-method), which requires complete narcosis. In this

method a tape is placed under the urethra. The tape gives support during exertion. But in 8 to 10% of the cases TVT does not produce the desired result. And 29% suffers from side-effects.

Injectable Material

Noes de Vries elaborates on the TVT method: "I was looking for injectable material that keeps its shape and that is not broken

down by the body. This material is a two-component polymer that is injected under local anaesthetics in four places around the urethra. It sets into a rubber mass. An excellent alternative for the existing tape.

Health Valley

To make the treatment method technically feasible, Urogyn looked for cooperation with a number of Gelderland businesses. "Within

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Health Valley it's easy to contact businesses that have experience with similar projects", says De Vries. We jointly submitted an ERDF subsidy application. This enables further development. Bactimm from Nijmegen assisted with cleanroom studies and microbiological research. Mecon Projects from Doetinchem elaborated the technical design of the injection instruments. "The clinical tests of the system took place in Poland", De Vries continues. "There we could quickly conduct tests pursuant European standards. In July 2012, we obtained a CE registration for medical devices based on the test results."

Extensively tested

A first test showed that Urolastic is effective and is not rejected by the body. Urogyn then tested its product with one hundred women with incontinence despite being treated with a standard method. De Vries: "We now have a six months report from 57 women. 63% of them are dry.

A number of them still lose a few drops, but they are still quite satisfied. Urolastic can also be applied with men with stress incontinence by prostatectomy (prostate removal).

De Vries: "We have treated 20 men; with one patient the method had no result but the other nineteen all had no more urine loss. Men can only be treated under complete narcosis, however. We will also start a study into the application of Urolastic with faeces incontinence. 33% of the people in care homes suffer from this condition. We have

already successfully treated a woman in Poland with this procedure."

What is gained

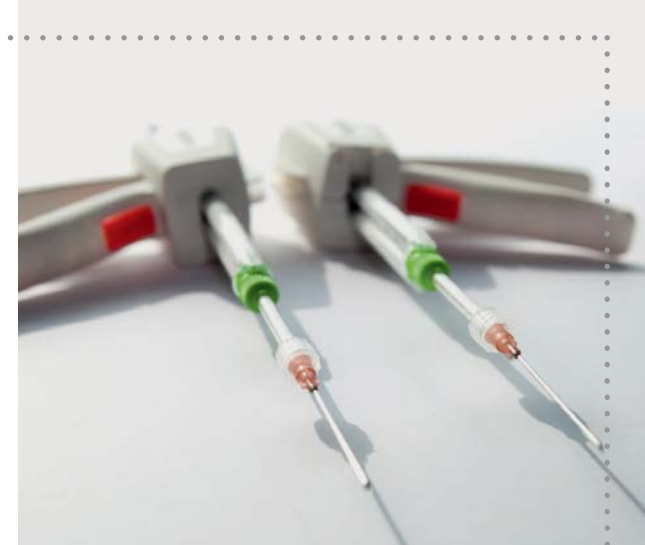
"Our product is more than two times more expensive than a TVT tape", De Vries continues. "But what we gain is that our treatment has a low threshold. We can do without a complete narcosis and two days hospitalisation. The patient can go straight back to work after the treatment. The procedure with Urolastic maximally takes fifteen minutes. This enables an urologist to do ten procedures in one day. This, in combination with the very low risk, makes the treatment very attractive."

A great deal of interest

The word that Urogyn had come up with a treatment for stress incontinence that worked well, spread fast. There are information requests from various countries. We are working on a supply for seven thousand treatments. And we expect a large number of orders in the short term", says De Vries. "We have already trained the first Dutch urologists. Early 2013, we start training in a number of Dutch hospitals. And the first training courses in Spain and the UK are already scheduled."

Reporting

"Reporting to account for the ERDF subsidy is a heavy administrative burden. But there's no way around it," says De Vries. "I am in favour of more content-oriented reporting. This makes for better fine-tuning during the project to enable an even better development."



"The application of Urolastic is simple and painless, and it can be removed if necessary. And after the procedure you can immediately leave the hospital."

Opportunities for East Netherlands

With Urolastic, Urogyn bv may tap into a multi-billion market. This will then lead to new jobs and contacts, knowledge and experience that is important to Health Valley in East Netherlands. Urolastic will first be introduced in Europe. But if the results are positive, a global introduction will be the next step.

Beneficiary: Urogyn bv

- Total public funding: €570,189
- Granted ERDF contribution within total amount: €285,094
- Term: 1 June 2010 up to and including 31 May 2012



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General progress of the execution of the GO programme

Financial progress

End 2012, more than half the programme term, almost 90% of the means are exhausted. Moreover, we know that end 2012 various projects are in their final stage.

The total of projects decided on reached 151, end 2012. In the preceding years, already 15 were completed, i.e. 136 projects were in the execution phase in the course of 2012. An increasing number of these are reaching the completion phase. Nineteen projects were formally settled in 2012.

In 2012, a lot of project costs were submitted to the programme. It is clear that the information meetings in 2011 by the programme office for project implementers, their external secretaries and regular auditors, were successful. The relation between project implementers and the programme office is reinforced with a lower threshold for questions about administration requirements.

The total of committed ERDF means for the programme amounts to €147,510,520 end 2012 (see table 1).

The total committed ERDF contribution (including adjustment adopted realisation figures) amounts to €146,208,777 (Table 1). Without the adjustment, €147,510,520 was committed end 2012.

The total committed ERDF contribution amounted to €125,277,359

as per 31 December 2011. A total of more than €22 million ERDF budget was therefore committed in 2012. This means that the programme is cumulative more than €8 million ahead of the budgeted amount up to and including 2012. For the remaining programme years, the remaining ERDF commitment budget totals €13.5 million (excl. Technical Assistance).

The ERDF means in Priority 1 of the entire programme period are committed for more than 100%. This is possible because the Provinces of Gelderland and Overijssel have decided to proceed to overcommit almost 10% of the Priority 1 budget in order to maximize economic effects.

To reach this goal, they are willing to take the financial risk, if the amount of unused committed ERDF in other projects is lower than expected. The commitments of Priority 2 of 2012 are a little below the budgeted amount in the annual tranche. This means that there is still €11 million to be committed after 2012; there were already various project applications under preparation end 2012. Various projects in Priority 3 were also decided on in the year under review, but there is still a backlog. We have discussed this with the municipalities. This has resulted in an adjustment of the project lists by the towns. End 2012, there are also various project applications under preparation with Priority 3.

Until end 2012, 34 projects were assessed and settled. Of which fourteen with Priority 1, another fourteen with Priority 2 and six with Priority 3.



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Table 1: Financial overall view originally committed amount OP Oost 2012 (Operational programme East Netherlands)

	TSC*	ERDF			NATIONAL PUBLIC			NATIONAL PRIVATE		
		COMMITTED 31/12/2012	BUDGETED UNTIL 31/12/2012	TARGET TOTAL PROGRAMME PERIOD	COMMITTED 31/12/2012			TARGET TOTAL PROGRAMME PERIOD	COMMITTED 31/12/2012	TARGET TOTAL PROGRAMME PERIOD
					GOVERN.	REGION	TOTAL PUBLIC			
Priority 1 Regional innovation force, knowledge economy and entrepreneurship	332.931.216	97.093.408	80.878.000	95.276.000	39.182.387	54.762.554	93.944.941	95.276.000	141.892.867	21.173.000
Priority 2 Reinforce innovation climate in urban networks	125.820.119	34.935.989	38.308.000	45.128.000	11.587.218	75.736.385	87.323.603	55.156.000	3.560.527	0
Priority 3 Strengthen attractive towns	35.735.811	11.988.243	14.542.000	17.132.000	3.200.000	16.428.507	19.628.507	19.036.000	4.119.061	1.904.000
Priority 4 Technical assistance	6.985.759	3.492.880	5.572.000	6.564.000	0	3.492.880	3.492.880	6.564.000	0	0
Total	501.472.905	147.510.520	139.300.000	164.100.000	53.969.605	150.420.325	204.389.930	176.032.000	149.572.455	23.077.000

* Total Subsidisable Costs



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Of the settled projects, fifteen were decided on in 2008, twelve in 2009, five in 2010 and two in 2011. In general, the assessed projects were executed according to the committed budget.

Programme effects on the regional economic development

It is difficult to measure the programme effects on the regional economic development. Despite the focussed commitment of the ERDF budget (especially in the spearhead sectors Food, Health and Technology and the emerging sector EMT), the absolute scope stays relatively limited. Furthermore, there is an indirect and temporary effect including in the building sector, due to the employment realised by projects in Priority 2 and partly in Priority 3.

In the first phase of the programme, various enabling projects were committed with Priority 1, which contribute to an improved knowledge infrastructure in the region. One may think of open innovation facilities and network organisations such as Regional Technology Centres (RCTs) and the Valley offices. These projects contribute in themselves to stimulating innovation in the region. A number of later ERDF projects were for example initiated by an RCT that brought the right business together through its network. It has become clearly visible in the past two years that businesses and knowledge institutes are increasingly able to find each other.

In 2012 as well, the co-financing of the programme makes it clear that private sector co-financing is once again considerable despite the economic situation. In 2012, the contribution by private parties in Priority 1 is nearly just as high as that of the entire total public contribution. The height of the private contribution plays an important part in the assessment of a project in Priority 1. The Managing Authority and the Steering Committee challenge applicants to maximise their own contribution. In the other Priorities as well, the private contributions are considerably higher than budgeted. The private contributions to projects in relation to the public contributions increased further in 2012 to 2 : 5 (previously (2 : 6). This is because in Priority 1 for the time being especially projects with product innovation are committed, where a higher private contribution is more common than with enabling projects. In Priority 3 as well a considerable amount of private contributions was committed in 2012.

End 2012, the multiplier of the ERDF contribution at programme level is the same as last year, i.e. 1: 3.4. One ERDF euro represents 3.4 euro in eligible and financed costs. Ultimo 2012, the national public co-financing has exceeded the programme target.



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Table 2: Financial overall view committed amounts (incl. adjustment established realisation figures) OP Oost 2012

	TSC	ERDF			NATIONAL PUBLIC			NATIONAL PRIVATE		
		COMMITTED 31/12/2012	BUDGETED UNTIL 31/12/2012	TARGET TOTAL PROGRAMME PERIOD	COMMITTED 31/12/2012			TARGET TOTAL PROGRAMME PERIOD	COMMITTED 31/12/2012	TARGET TOTAL PROGRAMME PERIOD
					GOVERN.	REGION	TOTAL PUBLIC			
Priority 1 Regional innovation force, knowledge economy and entrepreneurship	332.277.759	96.380.331	80.878.000	95.276.000	38.984.117	54.379.691	93.363.807	95.276.000	142.533.622	21.173.000
Priority 2 Reinforce innovation climate in urban networks	123.001.893	34.350.962	38.308.000	45.128.000	10.900.206	74.190.829	85.091.035	55.156.000	3.559.896	0
Priority 3 Strengthen attractive towns	36.711.337	11.984.604	14.542.000	17.132.000	3.200.000	16.749.964	19.949.964	19.036.000	4.776.768	1.904.000
Priority 4 Technical assistance	6.985.759	3.492.880	5.572.000	6.564.000	0	3.492.880	2.930.124	6.564.000	0	0
Total	498.976.748	146.208.777	139.300.000	164.100.000	53.084.322	148.813.363	201.334.930	176.032.000	150.870.286	23.077.000



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Table 3: Substantive progress of the programme

INDICATOR	PRIORITY 1			PRIORITY 2			PRIORITY 3			TOTAL		
	TARGET	COMMITMENT 2012	REALISATION 2012	TARGET	COMMITMENT 2012	REALISATION 2012	TARGET	COMMITMENT 2012	REALISATION 2012	TARGET	COMMITMENT 2012	REALISATION 2012
Number of R&D projects	15	107	101							15	107	101
Private R&D projects (in euro)	10.000.000	131.863.518	38.907.782							10.000.000	131.863.518	38.907.782
Public R&D projects (in euro)	10.000.000	181.920.125	63.675.473							10.000.000	181.920.125	63.675.473
Number of supported start-ups and small businesses < 5 years	150	611	335				30	135	9	180	746	344
Obtained private follow-up investments in euro	25.000.000	66.864.317	25.951.712							25.000.000	66.864.317	25.951.712
Number of supported SMEs	2.000	1.158	1.320				30	101	114	2.030	1.259	1.434
Number of new partnerships between businesses and knowledge/research institutes	100	96	109							100	96	109
Number of projects improved accessibility alternative transport modes				10	16	12				10	16	12
Number of projects improved accessibility				10	20	17				10	20	17
Number of redeveloped or new urban facilities				25	17	16	10	14	12	35	31	28
Number of hectares modernised business park				200	250	120	10	0	0	210	250	120
Number of recreational tourism projects				10	14	13				10	14	13
Number of projects aimed at improvement of nature, landscape or cultural heritage				14	11	11				14	11	11



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Table 3: Substantive progress of the programme (continuation previous page)

INDICATOR	PRIORITY 1			PRIORITY 2			PRIORITY 3			TOTAL		
	TARGET	COMMITMENT 2012	REALISATION 2012	TARGET	COMMITMENT 2012	REALISATION 2012	TARGET	COMMITMENT 2012	REALISATION 2012	TARGET	COMMITMENT 2012	REALISATION 2012
Number of projects aimed at entrepreneurship, urban community economy							25	7	5	25	7	5
Number of projects aimed at participation, quality of life or social activation							25	15	12	25	15	12
Number of m ² modernised business locations							200.000	8.838	11.694	200.000	8.838	11.694
Number of gross created jobs in fte (outcome)	900	4.083	2.166	1.250	441	79	25	88	117	2.175	4.612	2.362



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Completed projects

Nineteen projects were completed and settled in 2012. These projects are included in table 4. These nineteen projects immediately realise 161 new jobs. New employment is especially created in projects with

Priority 1 and 3. We expect the projects in the coming years to develop and create additional employment.

Table 4: Completed projects in 2012

PROJECT NAME MEASURE	Number of R&D projects	Private R&D investments in euro	Public R&D investments in euro	Number of supported start-ups and small businesses < 5 years	Obtained private follow-up investments in euro	Number of supported SMEs	Number of new partnerships between businesses and knowledge/research institutes	Number of projects improved accessibility alternative transport modes	Number of projects improved accessibility	Number of redeveloped or new urban facilities	Number of hectares modernised business park	Number of recreational tourism projects	Number of projects aimed at improvement of nature landscape or cultural heritage	Number of projects aimed at entrepreneurship, urban community economy	Number of projects aimed at participation, quality of life or social activation	Number of m ² modernised business premises	Number of gross created jobs in fee (outcome)
1.1 Iseti knowledge development program	1	2.614.820	2.623.513	3	927.185	17	6	0	0	0	0	0	0	0	0	0	43
Urolastic	1	836.520	570.189	2	248.987	4	1	0	0	0	0	0	0	0	0	0	11
1.2 House of Helios	1	155.391	155.391	0	55.008	3	1	0	0	0	0	0	0	0	0	0	21
Improvement of innovation Stedendriehoek	1	0	671.144	0	136.242	0	1	0	0	0	0	0	0	0	0	0	16
Lusaro, innovation in carobjects	1	77.193	133.160	1	37.232	1	1	0	0	0	0	0	0	0	0	0	21
RCT de Vallei 2009 - 2010	0	0	0	5	118.488	20	1	0	0	0	0	0	0	0	0	0	4
Veluws technologycentre	0	0	0	5	113.616	23	1	0	0	0	0	0	0	0	0	0	4
2.1 Auke Vleerstraat including 3rd accessroad Kanaalzone	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Modernising businesspark Twentekanaal Middengebied, fase 1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Poort of Salland - doubling Siemelinksweg	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
2.2 Lightning Waterfront	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
ENERGIE.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
The secret of Graaf Sassendonk	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Upgrading Lage Wellekade	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0
Upgrading Harselaar West	0	0	0	0	0	0	0	1	1	0	80	0	0	0	0	0	0



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Table 4: Completed projects in 2012 (continuation previous page)

PROJECT NAME MEASURE	Number of R&D projects	Private R&D investments in euro	Public R&D investments in euro	Number of supported start-ups and small businesses < 5 years	Obtained private follow-up investments in euro	Number of supported SMEs	Number of new partnerships between businesses and knowledge/research institutes	Number of projects improved accessibility alternative transport modes	Number of projects improved accessibility	Number of redeveloped or new urban facilities	Number of hectares modernised business park	Number of recreational tourism projects	Number of projects aimed at improvement of nature, landscape or cultural heritage	Number of projects aimed at entrepreneurship, urban community economy	Number of projects aimed at participation, quality of life or social activation	Number of m ² modernised business premises	Number of gross created jobs in fte (outcome)
3.1 Upgrading Klarendalseweg and surrounding	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Ringstraten Nijmegen economic push, investment arrangement Ringstraten	0	0	0	9	0	23	0	0	0	0	0	0	0	1	0	3.456	38
TETEM, museum of energy	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	0	1
Multifunctional centre Willemskwartier	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0



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% Total

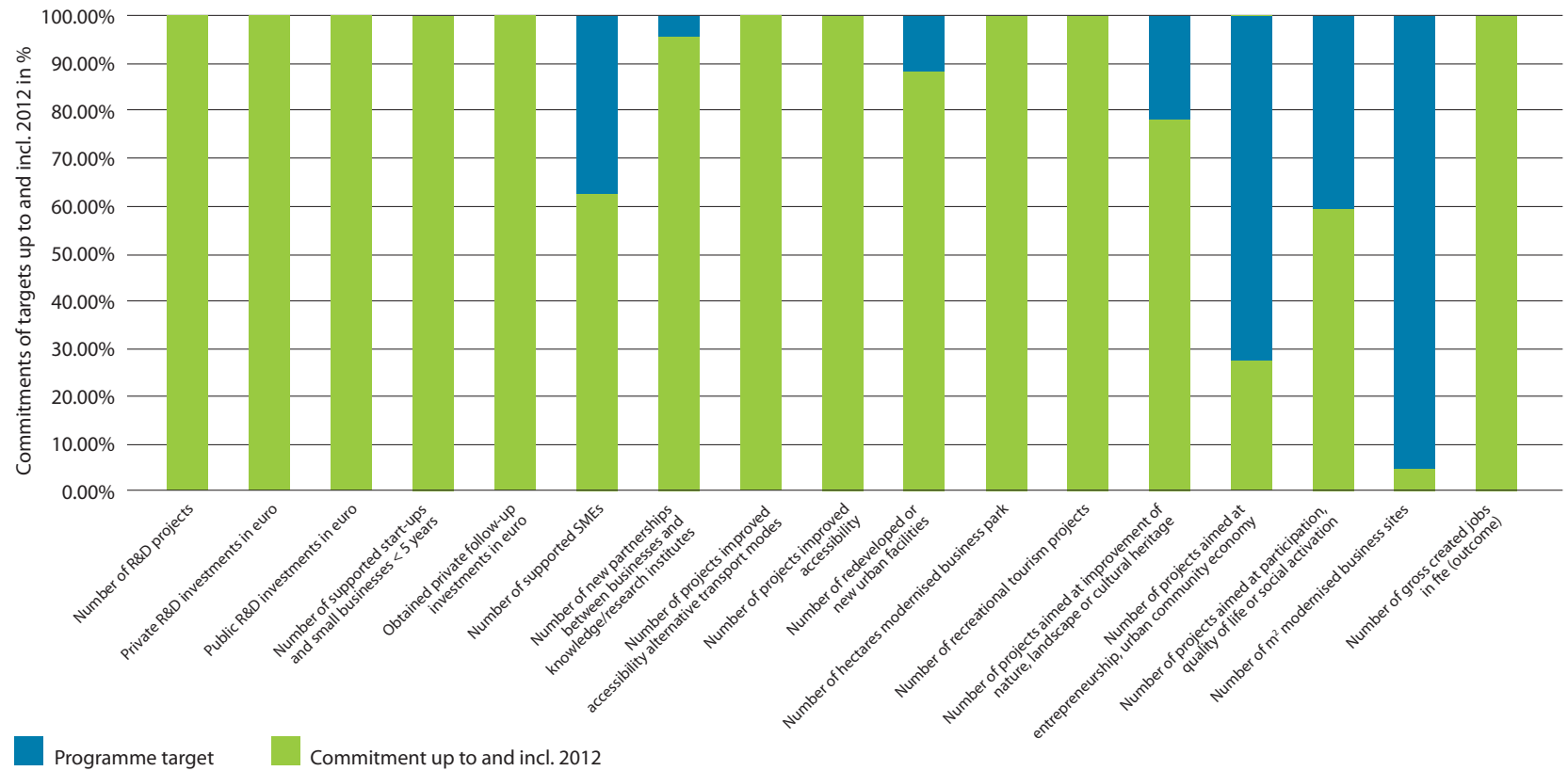


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Table 5a: Committed projects 2012 Priority 1

MEASURE	PROJECT NAME	APPLICANT	TSC IN € (COMMITTED)	ERDF IN € (COMMITTED)
1.1	Disinfection of seeds with superheated steam	Hoopman Engineering & Equipment BV	678.645	339.683
1.1	FOCOM: Food and Cognition Modelsystems	Radboud Universiteit	8.534.257	2.133.564
1.1	Biomarque, microneedles monitor biomarkers just under the skin	Biomarque BV	2.979.890	1.089.945
1.1	Traditional herbal preparation against a modern pandemic	Universiteit Wageningen	1.035.986	406.549
1.1	Computermodellering in order of biotech and life science	Lead Pharma Holding BV	8.076.540	2.550.412
1.1	NirionPlus	Medimate BV	1.231.577	304.790
1.1	MRSA detection	Mecon Engineering BV	392.075	158.746
1.1	New detection methods for celiac disease and celiac disease-inducing gluten in nutrition	DLO Plant Research International	1.627.378	413.689
1.1	Scalable Seed sorting and analysis machines	IMIX Vision Support Systems BV	532.142	266.071
1.1	Nanotech Isolation	AeroTech Development BV	1.273.062	299.625
1.1	Application nanotechnology (for mechanical engineering) in the food industry	NanoServices BV	2.699.411	630.764
1.1	ACCESS	Synthon BV	1.943.119	567.680
1.1	Infra Red Road Heating	Grontmij Nederland BV	409.423	153.128
TOTAL 1.1			31.413.505	9.314.646



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Table 5a: Committed projects 2012 Priority 1 (continuation previous page)

MEASURE	PROJECT NAME	APPLICANT	TSC IN € (COMMITTED)	ERDF IN € (COMMITTED)
1.2	InnoSportLab Papendal	InnoSportNL	2.201.034	550.259
1.2	The second generation of synthetic amino acids	De Stille Kracht BV	514.000	253.110
1.2	Inno-Mission	Solfic BV	2.638.084	1.000.000
1.2	CalciPulse	Industriewater Eerbeek BV	1.681.669	450.769
1.2	New value for protein from duckweed	Zeno BV	1.118.496	281.385
1.2	Water-Rijk	Radboud Universiteit	6.371.881	1.044.752
TOTAL 1.2			14.525.164	3.580.275

PRIORITY 1				
TOTAL			45.938.669	12.894.921



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Table 5b: Committed projects 2012 Priority 2

MEASURE	PROJECT NAME	APPLICANT	TSC IN € (COMMITTED)	ERDF IN € (COMMITTED)
2.1	Accessibility Kampen Noord	Gemeente Kampen	3.350.000	1.500.000
2.1	Accessibility city centre / Stadsweide	Gemeente Enschede	3.317.477	700.000
2.1	Improvement accessibility Centerpoort - Nieuwgraaf	Gemeente Duiven	2.125.593	300.000
2.1	Groene loper - parc at the station of Oldenzaal Centraal	Gemeente Oldenzaal	1.070.000	725.000
2.1	Restructuring Westervoortsedijk	Gemeente Arnhem	698.600	270.000
TOTAL 2.1			10.561.670	3.495.000

2.2	Toeristic development around the rivers	RBT KAN	664.639	296.447
2.2	Sustainable revitalisation Arkervaat-Oost	Gemeente Nijkerk	2.147.000	1.020.000
2.2	Doornroosje	Gemeente Nijmegen	13.010.000	2.000.000
TOTAL 2.2			15.821.639	3.316.447

PRIORITY 2				
TOTAL			26.383.309	6.811.447



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Table 5c: Committed projects 2012 Priority 3

MEASURE	PROJECT NAME	APPLICANT	TSC IN € (COMMITTED)	ERDF IN € (COMMITTED)
3.1	Thermion	Gemeente Nijmegen	2.984.626	150.000
3.1	Learning and working farm at Healthpark Hengelo	Stichting Ambiq	425.046	191.271
3.1	Restructuring Zandlaan e.o./ Kenniscampus Ede	Gemeente Ede	2.235.000	1.117.500
3.1	Multifunctional centre Waterkwartier	Gemeente Nijmegen	5.002.000	2.250.000
Total 3			10.646.672	3.708.771

PRIORITY 3			
TOTAL		10.646.672	3.708.771

Table 5d: Committed Technical assistance Priority 4

YEAR	TSC	ERDF COMMITTED	ERDF BUDGETED	GOVERN.	REGION	PRIVATE
Up to and incl. 2011	5.860.247	2.930.123	4.596.000	0	2.930.124	0
Changes	-53.599	-26.799	0	0	-26.800	0
2012	1.179.111	589.556	976.000	0	589.556	0
TOTAL	6.985.759	3.492.880	5.572.000	0	3.492.880	0



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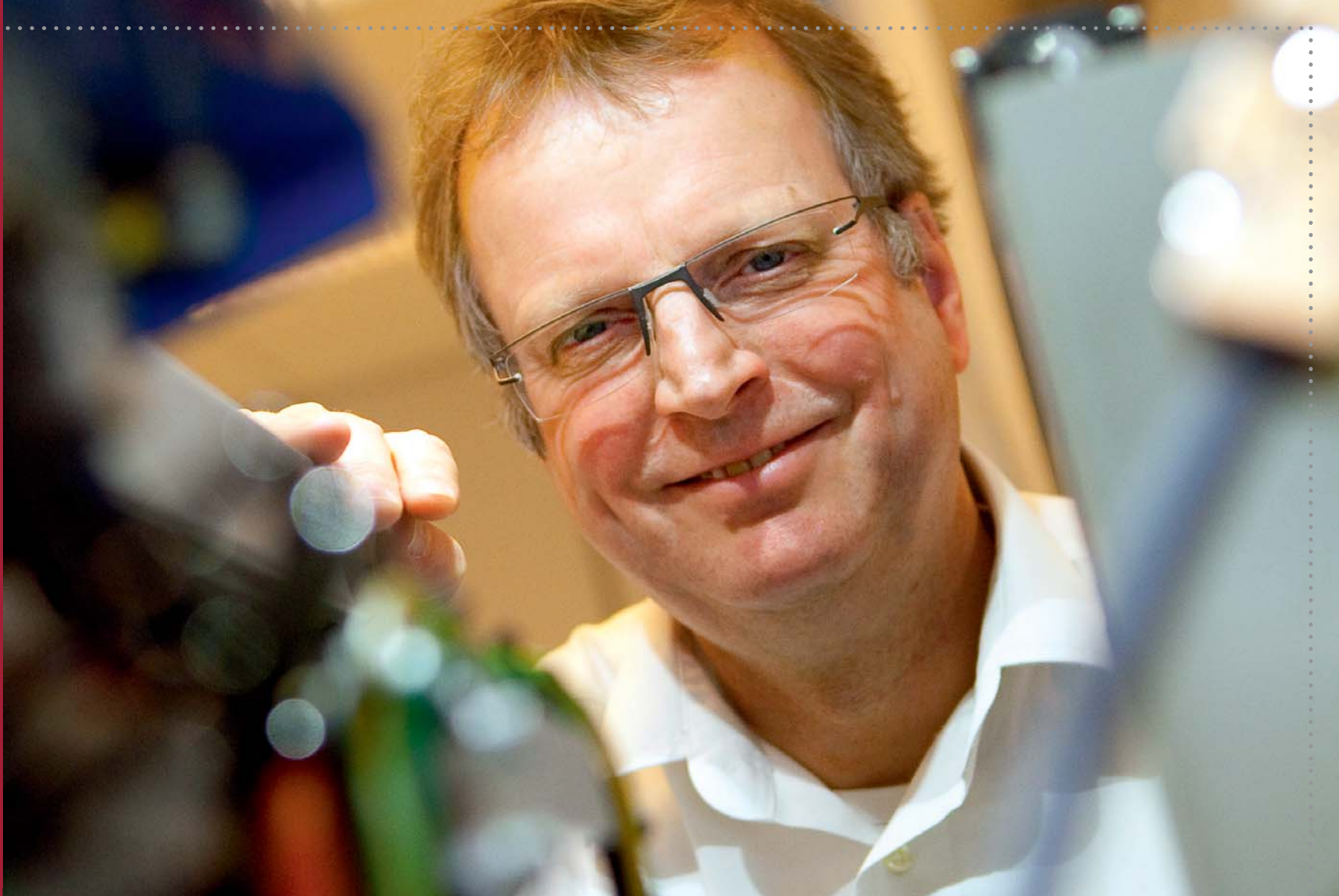
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GERARD HUIBERTS, MANAGING DIRECTOR IMS

***“The N-Gap project resulted in a basis production line
of various modules that may be adjusted
to specific customer wishes.”***



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Mobile consumer electronics components, such as chips, speakers, microphones and cameras are becoming increasingly smaller and more sophisticated. And demand keeps growing. To obtain a stronger position in this rapidly innovating market, a consortium in Twente started the N-Gap project: Next Generation Assembly Platform. A project to develop a next generation future-proof production platforms for microelectronics manufacturers. The first product from the project is the ProFast4G; a new standard production platform that can easily be adapted to produce the desired microelectronics product or product part.

Hightech production platform bridges gap in mobile consumer electronics market

Integrated Mechanization Solutions (IMS) from Almelo lead the N-Gap project. For more than 10 years IMS has developed and sold production lines for the production of very small parts of consumer electronics and applications for the medical industry. N-Gap was driven by the need to be able to quickly and flexibly respond to increasing market

demand. Gerard Huiberts, Managing Director of IMS talks about N-Gap and the resulting product the ProFast4G: "This machine is able to produce a wide range of advanced and complex multi-component microelectronic products at high speed. Furthermore, production lines based on ProFast4G can be developed and delivered a lot faster."

Innovation is a necessity

"Proactive innovation is a necessity in our sector", says Huiberts. "We develop fixed production lines for many clients all over the world. We have to adapt these over and over again because of the high speed of developments in consumer electronics. This means constantly developing and building new production machines.



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“ERDF subsidy stimulates to share knowledge and experience with businesses in the region. In this respect the subsidy is an absolute success.”

Thanks to ProFast4G we can simply adjust the production platforms to the client’s wishes. Moreover we can connect and combine modules as needed for each separate part of the production line. Flexibility in a standard production platform.”

Extra turnover

ProFast4G has some competition from Switzerland and Japan. “I claim our technology is better, more precise en less expensive”, Huiberts continues. “The ProFast4G is selling well. In 2012, we managed to show good annual figures through the development and production of the ProFast4G. We sold over one hundred modules to mainly Chinese and Japanese producers of mobile phone components.” This generated five to ten million euro extra turnover for IMS.

Technology leap thanks to ERDF subsidy

Huiberts: “Thanks to the ERDF subsidy we could make a considerable technology leap. We received nearly half of our development costs. Without this amount, the development of the ProFast4G would have taken three times longer or may not have materialised at all. The subsidy application ensured that we looked for collaboration with local partners and specialised vendors. To make those contacts we also consulted with development

company Oost NV. Eventually, we found partners that were willing to join a risk-bearing development in Masévon, Tumakon and ProfTech. We are now collaborating with these businesses in a large number of areas.”

Incentive for new technologies

Gerard Huiberts feels that the subsidy rules during the course of the project were not always unambiguous. In addition, the administrative requirements consume a lot of hours – and therefore subsidy. “But”, he stresses, “the subsidy is good incentive to develop new technologies. All partners in the consortium have improved both technically and in terms of their organisation. We have more knowledge and learn a lot from each other in the area of project management. This stimulates us to share knowledge and experience with businesses around us more often.”

New version

The developments within N-Gap continue. Huiberts: “ProFast4G already has a successor. The ProMu. Again, a generic and modular production platform. But this time with a focus on the precise assembly of small products in a clean and sterile environment. Essential for the production of medical microelectronics for example. This way we show that we can widely extend the application area of the N-gap modules.”



Opportunities for East Netherlands

The ProFast4G is an important export product for the production of mobile telephones in Asian countries. The further developed ProMu will tap into new markets in the production of microelectronics in the medical world. A total of forty extra jobs was created with the consortium in Twente thanks to the production of ProFast4G and ProMu. A further growth of the N-Gap project will result in dozens of new jobs with vendors.

Beneficiary: Integrated Mechanization Solutions bv, Masévon bv, Tumakon bv, Proftech bv

- Total public co-funding: €2.090,024
- Granted ERDF subsidy: €1,045,012
- Term: 1 June 2008 up to and incl. 30 November 2010



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Central Filling (Zwolle), KLS Nederland BV and Apopack BV. Fully automated logistics systems for medicine distribution are developed in cooperation with producers, wholesalers, pharmacists and patient platforms. In the pharmacy of the future, medicine can automatically be stored and issued.

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Some projects

Some projects from measure 1.1

FOCOM

A test system that unravels the relation between food and the brain

How do food and the brain influence each other? Within these reference terms, the UMC St Radboud together with other business is developing test systems that predict how food and the brain can influence each other.

This will enable early diagnosis with patients with obesitas, eating disorders and aging disorders such as amnesia.

The project studies the decision-making and purchasing habits of consumers to see why they do or do not buy certain products. Furthermore, the researchers are examining what happens in the brain when we consume food. For example, which ingredients contribute to a pleasant taste? The test result will enable the development of food ingredients or supplements that positively influence the conditions of patients.

Food innovation

The research results of this project are interesting for the food industry, consumer surveys, hospitals and care institutes. The project profiles the region as supplier of specialist knowledge in the area of food innovation, the brain and the practical development of systems.

The extensive cooperation between businesses and knowledge institutes gives an impulse to Food, Health & Technology in East Netherlands.

Headed by the Radboud University Nijmegen, the cooperating partners receive €2,133,000 ERDF subsidy for project FOCOM – Food and Cognition Modelsystems.

NirionPlus

Mini laboratory measures blood and urine values via chip

NirionPlus is the name of a project that develops a minilab for measuring blood and urine values. It will enable hyperemesis, cardiovascular en chronic kidney failure patients to quickly determine their values themselves. The multilab-on-a-chip is a small measuring instrument to measure blood and urine values such as sodium and potassium at the same time. This relieves patients as they do not have to go and see a doctor to check the values. It enables patients to monitor the course of their condition and to see for themselves where the doctor may need to adjust their treatment. This reduces the demand for medical aid, promotes patient compliance and improves the quality of life of the patient.

The cooperating partners Medimate BV (Enschede), Micronit Microfluidic BV (Enschede), Hortec BV (Oldenzaal), UMC St. Radboud (Nijmegen) and KLC Isala Klinieken (Zwolle) receive nearly €350,000 in ERDF subsidy for the NirionPlus project.

House of Helios

Laurens Wolters (WE Engineering, Lichtenvoorde): *“Let me first state and foremost that the ERDF contribution lowered the threshold to develop the project. But the programme is quite demanding in terms of paperwork, such as time recording. A point of attention to the Managing Authority is the term of the advance payment. This may cause difficulties for entrepreneurs.”*



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Project in measure 1.2

Innovative waste incinerator CalciPulse

The CalciPulse is a multifuel incinerator that dries and burns residual and waste material. This is done by treating the water from paper mills, after which the multifuel incinerator processes the silt that is left after purification. The extracted substances are recycled or marketed. One of the environmentally friendly advantages of the waste incinerator is the speed at which waste is burned. Another plus is the heat generation with minimal residual waste. Small-scale waste processing offers economic benefits in a sustainable process.

Positive effect

The further development of the multifuel incinerator may have a positive effect on sectors such as sewer and waste processing installations, old paper recycling processing, silt processing and industrial dryers. These sectors have a strong presence in Gelderland.

ERDF subsidy

The collaborating SMBs and the Eindhoven University of Technology receive more than €450,000 ERDF subsidy for the CalciPulse project.

Project in measure 2.1

Accessibility North Kampen

This project concerns improving the accessibility of the business parks Zuiderzeehaven, Haatland en Business Park Rijksweg 50 in North Kampen.

International Indoor Sports Centre Almelo (IISPA)

Patrick Wolters (Municipality of Almelo): *"Stick to the rules and there are no problems. We had good experiences and the contributions from the European Union and the province were most welcome. The audit showed that our processes were not quite in order. Something we had observed ourselves already and we had already started to improve our internal processes. The audit confirmed that we had taken the proper measures. Our suggestion: try to reduce the control tower."*



Inner ring roads (Nijmegen) Municipality of Nijmegen.

The Municipality is restructuring some streets around the shopping area of Nijmegen and contributes to refurbishing buildings (including facades) to make the area more attractive. This should lead to an improved entrepreneurial climate and quality of life in the ring roads

The investment consists of the construction of entry slip and exit roads in southern direction on the trunk road Rijksweg 50, preparatory activities, traffic measures and signage. The adjustment will improve the connection of the business parks to the trunk road N50. The flow of traffic from the business parks will moreover become more efficient and the travelling time to and from the business parks will be reduced.



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The Municipality of Kampen receives €1,500,000 ERDF subsidy for the project Accessibility North Kampen.

Accessibility business park

Centerpoort-Nieuwgraaf

Europe, the Province of Gelderland and the Municipality of Duiven want to improve the accessibility of the business park Centerpoort-Nieuwgraaf in Duiven. These infrastructural measures aim at improving the regional business climate and to promote the establishment of enterprises in the business park.

Development location

The project is part of the revitalisation of the business park Centerpoort-Nieuwgraaf. The business park is part of the development axis A12 and was designated by the province, the region and central government as an important development location. The investments make an important economic location more attractive. An improved flow of traffic with less congestion also leads to lower emission levels of exhaust fumes.

The Municipality of Duiven receives €300,000 ERDF subsidy for the project.

Project in measure 2.2

Doornroosje

New location for pop venue in Nijmegen

Pop music venue Doornroosje will move to a new location next to the Nijmegen central railway station. It will include two halls with a capacity

of 1,100 and 400 visitors respectively. The new building will be completed in December 2013 when the venue will see its first visitors.

The project comprises more than just the construction of a stage for pop music. The cultural facility should contribute to creating an attractive living environment in the Arnhem-Nijmegen region. It is part of the restructuring of the central railway station area in Nijmegen.

The new Doornroosje can accommodate twice as many visitors as on its current location. Operators of hotels, restaurants and cafes in the surrounding of Doornroosje may benefit from the arrival of music lovers and for this reason the project creates employment both during construction and afterwards.

The Municipality of Nijmegen receives €2 million in ERDF subsidy for the Doornroosje project.

Project in measure 3

Restructuring knowledge campus Ede

This project concerns the restructuring of the knowledge campus Ede. The Zandlaan and adjacent roads are developed and adjusted to create a recognisable and attractive area. The knowledge campus Ede is an important chain in the knowledge axis Ede-Wageningen and part of the innovation region Food Valley.

The Municipality of Ede receives €1,117,500 in ERDF subsidy for the restructuring.

Municipality of Enschede, various completed and settled projects

Laurens van der Velde: *"European rules have a reputation of being complex, involving a lot of extra work. But if you have your house in order and comply with rules and legislation, they're actually quite easy to work with. Moreover, they keep us on our toes to organise our outsourcing as optimally as possible for example. The projects that we carry out with European subsidy, made an important contribution to the town, not only by the activities themselves but also because of their effect on other projects. Improving the accessibility of the Auke Vleerstraat for example has a positive influence on the entire Knowledge park."*



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Lighting waterfront (Deventer), Municipality of Deventer. By placing attractive lighting on the waterfront of the river IJssel, Deventer wants to enhance the town's image by 'the IJssel by night'.

Learning and work placement farm Hengelo helps young people experiencing employment deprivation

The foundation Ambiq (Hengelo) refurbishes a dilapidated farm to turn it into a learning and work placement farm for youngsters with poor access to the labour market. These youngsters often are mentally impaired, suffer from developmental delay or have behaviour issues. At the farm they are guided in their development to especially the

agricultural labour market. It concerns jobs in green space maintenance and animal care.

The learning work placement farm is located at the site of the Hengelo Health Park

Foundation Ambiq receives €190,000 in ERDF subsidy for the project of the learning and work placement farm at the Hengelo Health park.



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www.go-oostnederland.eu

We will keep posting relevant and up-to-date information on the GO programme on the internet site www.go-oostnederland.eu. There are news items and new downloads for project implementers. The digital news letters have a permanent place

on the website, which makes them easy to find – they can be read online after distribution. We also offer an up-to-date overview of projects decided on. The internet site is linked to the sites of the Provinces of Gelderland and Overijssel and to the website of the five urban networks and the three valleys. The site aims at showing visitors where to find information.

News item on www.go-oostnederland.eu:

High positions of two ERDF projects in SMB Innovation Top 100

On 4 June 2012, Syntens Innovation Centre, Netherlands Patent Office (OCNL), Mercedes-Benz and Dutch daily NRC Handelsblad will present the SMB Innovation Top 100 for the seventh time. This ranking with 100 concrete innovations is regarded as the biggest and most important innovation price for small and medium-sized businesses. The company BMA Ergonomics from Zwolle reached the seventh place with a smart chair for an improved sitting position. The electronic carrier tricycle to transport children GoCab by the Gelderland company Van Raam reached the fourteenth position.

Sitting behaviour

The Axia® Smart Chair monitors the user's sitting behaviour with sensors that provide feedback. If a user is sitting incorrectly, the chair will indicate this with a vibrating signal. A label on the seat shows the sitting behaviour in the past hour. Eventually the user will go home much fitter. The project received €543,258 In ERDF subsidy.

Child transportation

The GoCab is an electric carrier tricycle that can transport eight children safe and dry. The carrier tricycle steers lightly through the electric support and it is used as alternative for taxi vans. Van Raam was the only supplier of alternative children

transportation to reach the SMB Top 100. The project received €115,100 In ERDF subsidy.

Nominations

The jury, chaired by Alexander Rinnooy Kan, assessed the nominations on the basis of originality, impact, level of protection, availability and turnover potential.

Successful innovations

It is a deliberate choice of the SMB Innovation Top 100 not to present an award. The strength lies in showing what SMBs are capable of. The 100 businesses and their innovations can be found at www.syntens.nl/innovatietop100.



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Opening ceremony laboratory & visitors centre TPRC by among others Overijssel Provincial Council member Theo Rietkerk

Since end 2009, the project map 'Europe around the corner' has been permanently included on the GO website. The project map provides clear information on projects throughout the Netherlands financed with European subsidy. The information is aimed at (potential) project implementers, journalists, administrators and EU officials.

TPRC Opening

On Tuesday 26 June, the ThermoPlastic Composite Research Centre (TPRC) in Enschede officially opened its new laboratory with visitors centre. Provincial Council member Theo Rietkerk, Loek de Vries of Koninklijke Ten Cate and Brinksmas of the

University of Twente performed the opening ceremony. TPRC focuses on thermoplastic composite research. Synthetic material that is both strong and light. This enables a wide range of applications in all kinds of products in aeronautics and civil engineering like bridges and for example in cars and windmills. The interest for thermoplastic composites and their application range is growing strongly. Customers want light products that are more cost-efficient and increasingly green.

The laboratory enables small-scale production, analysis and testing of thermoplastic composites. It aims at finding applications that may be commercially produced on a large scale. TPRC wants to create more economic activity and wants SMBs to think along about new application options.



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