## Foreign Investment Enterprises (FIEs)

Matija Rojec and Boris Majcen (Institute for Economic Research)

Slovenian Economic Mirror	IMAD	
No. 10/2003	p. 21	

Importance of selected areas for competitiveness of FIEs in the Slovenian manufacturing <sup>1</sup>								
·	Quality control	Patents, licences, R&D	People and training	Manage- ment	Total			
SAMPLE FIES DISTRIBUTION BY IMPORTANCE OF AREAS OF COMPETITIVENESS								
Not important	0.0	5.6	1.4	0.0	n.a.			
Less important	0.0	15.3	6.9	4.2	n.a.			
Important	12.5	40.3	19.4	16.7	n.a.			
Very important	30.6	20.8	44.4	47.2	n.a.			
Extremely important	56.9	18.1	27.8	31.9	n.a.			
Total	100.0	100.0	100.0	100.0	n.a.			
INDICATOR OF IMPORTANCE <sup>2</sup>								
Total	0.861	0.576	0.726	0.767	0.733			
High technology industries	0.833	0.750	0.792	0.792	0.792			
Medium-high technology industries	0.861	0.611	0.741	0.769	0.746			
Medium-low technology industries	0.857	0.571	0.741	0.768	0.734			
Low technology industries	0.886	0.409	0.614	0.750	0.665			

Source of data: Analysis prepared by Boris Majcen and Matija Rojec in the framework of the Fifth Framework Programme Project: »EU Integration and the Prospects for Catch-Up Development in CEECs: The Determinants of the Productivity Gap«. Notes: <sup>1</sup> data are based on the sample of 72 FIEs surveyed in 2002. The surveyed FIEs represent 23.8% of all FIEs in the Slovenian manufacturing sector. They account for 53.6% of all fixed assets, 50.8% of all employees, 62.1% of all sales and 64.2% of all exports of FIEs in the Slovenian manufacturing sector; <sup>2</sup> calculated in a way whereby answers »not important« are weighted by 0.0, answers »less important« by 0.25, answers »important« by 0.50, answers »very important« by 0.75 and answers »extremely important« by 1.00. The higher the indicator, the more the particular area is important for the competitiveness of FIEs

Increasing competitiveness is one of the key wishes of host-countries related to inward FDI. The issue here is how important individual areas of competitiveness are for FIEs in the Slovenian manufacturing sector (quality control, patents and licenses and R&D, people and training, and management) and which sources are important in individual areas of competitiveness (FIEs itself, the foreign parent company, other buyers abroad, other sellers abroad etc; see table below).

All the areas of competitiveness considered are treated as more than »important« (above the 0.50 indicator of importance). The most important area of competitiveness is quality control (average mark of 0.861), followed by management (0.767), people and training (0.726) and patents, licences, R&D (0.576). With the exception of patents, licences and R&D, the three other areas are assessed as »very important« or even higher. The relatively low level of importance of patents, licences and R&D can be explained by the fact that in most manufacturing FDI projects in Slovenia a relatively standardised technology is used and that relatively few FIEs are in the high technology industry sectors. This is further confirmed by the fact that quality control and management are pretty equally important for the competitiveness of all FIEs, regardless of the technological intensity of the industry in which they are engaged. Quite the opposite is true for patents, licences and R&D, and people and training. These are treated as much more important for the competitiveness of high technology FIEs than of medium-high or medium-low technology FIEs, and even more so of low technology FIEs.

Spearman's coefficients of rank correlation between individual areas of competitiveness show relatively high positive and significant correlations. This demonstrates not only that competitiveness in one area is positively correlated with competitiveness in other areas, but even more so that competitiveness is a complex phenomenon requiring excellence in a number of areas.

Who contributes most to competitiveness of FIEs in Slovenian manufacturing? FIEs themselves and foreign parent companies are the only really relevant sources of competitiveness. FIEs themselves appear to be the most important source in all areas, except in patents, licensing, R&D where foreign parent companies are the most important. Other external sources only have some importance for competitiveness in individual areas, most of all in quality control assistance.

Who contributes most to competitiveness of FIEs in Slovenian manufacturing								
	Quality	Patents,	People and	Manage				
	control	licences, R&D	training	ment				
FIE itself	0.826	0.590	0.767	0.753				
Foreign parent company	0.622	0.632	0.469	0.618				
Other buyers abroad	0.639	0.378	0.299	0.333				
Other suppliers abroad	0.597	0.347	0.250	0.278				
Other Slovenian subsidiaries of foreign parent	0.111	0.090	0.063	0.087				
Other buyers at home	0.302	0.302	0.295	0.309				
Other suppliers at home	0.549	0.302	0.250	0.271				
Other sources	0.330	0.316	0.410	0.361				
Course and notes; and table above								

Source and notes: see table above.