

## RPC «OPTOLINK»

**Volume of investments required: \$ 1 500 hundred**

**Use of funds**

R&D - 100%

### Company profile

1. Date of establishment – 2001.
2. Size of investment to date – \$ 7 000 000.
3. Production – fiber optic gyroscopes, navigation systems.
4. Target market – air and ground transport, craft.
5. Sales 2004 – \$ 1 500 000.
6. Description and value of assets – \$ 2 500 000. Short description: Class 10 clean room (35 sq. m.), equipped with a new Mask aligner (KARL SUSS MA6) and tracks (spin coating and developing); Class 1000 clean room (200 sq. m.) equipped with e-beam machine and sputtering machines; Characterization of waveguides and devices, fiber pigtailling.
7. Goodwill and intellectual property rights – belong to the company members and include:  
Compact block of fiber optic rate-measuring devices. Patent № 2227901, Priority: 19.06.2002. Authors: Ponomarev V.G., Pylaev J.K., Ramzaev A.P., Prilutskiy V.E.  
Method of fabrication of single-mode polarization maintaining fiber. Patent № 2252197 Priority: 27.11.2003. Authors: Zuev A.I., Belashenko A.V., Varnakov V.K., Silin A.N., Mahalin A.L.  
Fiber optic rate-measuring device. Filing № 2003500928/49(012923). Priority: 24.04.2003. Authors: Korkishko J.N., Federov V.A., Prilutskiy V.E., Ponomarev, V.G., Pylaev J.K.  
Three-axis fiber optic rate-measuring device. Filing №2004500548/49(006838). Priority: 03.03.2004. Authors: Korkishko J.N., Federov V.A., Prilutskiy V.E., Ponomarev V.G.
8. Signs of public recognition – the results of the work carried out by the research assistants, involved in the project, were reported on the International conferences on integrated optics and optic fiber communications in Los-Angeles (1994), san-Diego (1994), San Hose (1995), Delft (1995), Neimegen (1995), Bled (1996), San-Martin (1996), Stockholm (1997), Sozopol (1997), Montreux (1998), Orlando (1998), Turin (1999), Hong-Kong (2000), Padeborn (2001). One monograph (Cambridge, UK), two textbooks and more then 100 articles were published in Russian and foreign magazines.

### Owners

Legal entities (2 companies):	100%
1. Kedah Wafer Emas Sdn Bhd (Malaysia)	95.3%
2. "ZITC" Corp.	4.7%
Share of government property	0%

### Characteristics

Current products – fiber optic gyroscopes. R&D products – autonomous strapdown high precision navigation system, based on fiber optic gyroscopes and mechanical accelerometers. Fields of using – air transport, crafts and other transport.

### Marketing & Sales

The target market in Russia is about 1 000 autonomous strapdown navigation system per year. The autonomous strapdown navigation system is of the interest for China, India, Germany, Israel, Sweden. The market for foreign customers is about 80–110 systems per year.

### Prospects of development

The realization of this project will conduce the development of the new technologies in field of fiber optic and integrated optic technology. It also allows to produce new optic systems: gyrocompass, measuring equipment for current and pressure, and other fiber optic and integrated optic devices for telecommunication and other fields.