

## R&D COLLABORATIVE PROPOSAL / COMPANY PARTNER SEARCH

The information you are about to provide in this form will be distributed among companies matching your company profile and that might be interested in the proposal of collaborative R&D project that you will be describing in this form.  
(Please use English language for filling in the document)

### YOUR COMPANY PROFILE

**Company name:** ProMOS  
**WEB site:** www.promos.com.tw

**Number of employees:** 85  
**Year of Establishment:** 1996  
**Activity/ sector:**  
**Key products and/or services:** Memory/IOT/PIC  
**Annual turnover:** \$23M USD  
**Balance Total:**

**Address:** 3A3,No.1,Lixing 1<sup>st</sup> Rd, Hsinchu  
Science Park  
**City:** Hsinchu  
**Province:**  
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#### **YOUR COMPANY DESCRIPTION**

**(Activity description, main markets, strategic alliances, competitive position, share (%) of turnover due to exports, R&D resources and investment, partnerships with other companies or research organization, previous relationship with Taiwanese national R&D institutions, etc)**

(The minimum information to show the potential of your company)

Founded in 1996, ProMOS owns a solid memory technologies know how. In addition to that, ProMOS has well developed automation system and AIoT / IIoT application. Since 2020, we have been committed and stepped into Silicon Photonic and continuing to develop PIC and EPIC products.

With more than 20 years experience in Memory business, ProMOS has built the following capabilities like,

- ✓ Well proven capability in Memory products design, manufacturing, field application, assembly engineering and quality assurance.
- ✓ Well established product development system and quality management system.
- ✓ Well established RDL, WLBI, Wafer Level Speed test capability for KGD solution.
- ✓ Integrated advanced assembly solution infrastructure for KGD, MCP, SIP and POP.

**YOUR COMPANY PRODUCTS**

**(Technologies, applications, services, previous R&D projects, etc)**

(The minimum information to show the potential of your company)

ProMOS has two major business and product lines:

1. Memory products:

- DRAMs (SDR, DDR, DDR2, DDR3, DDR4)
- Mobile DDR SDRAM
- KGD
- Engineering Services like Customized Product Service, DRAM Engineering Developing Service, Quality Engineering Service and Field Application Engineering Service

2. AIOT/IIOT products:

- Sensor Module
- Smart Tag
- Gateway
- RFID Tag/Reader
- E-Rack
- Tracker
- Smart Watch

On-going R&D task of **Silicon Photonic Ligh Engine:**

- 400G DR4
- 400G FR4

The main applications is optical transceivers

## **COLLABORATIVE R&D PROJECT PROPOSAL**

**(Describe as precisely as possible the technology cooperation proposal and your main motivation, describe what you have to offer and what you expect from your potential partner from a technical point of view and from a commercial point of view, describe the profile of the company that you request, describe if you have previous contact with companies, additional comments)**

We have the strong capabilities on silicon Photonic chip design, Laser chip design, Silicon Photonic Module Design and Manufacture. We are looking for the partner who has the following expertise in order to cooperate and develop **Silicon Photonic CPO Technology** together.

1. With experience in Logic High speed RF products design:
  - Design TIA/Driver and/or temperature control for EPIC (embedded in PIC)
2. With experience and/or interested in developing silicon photonic chip related components/assembly/testing/hardware

**Targeted PARTNERS in Europe**

**(if you know a potential company, write its name and contact details in this section. We will try to contact them to evaluate their willingness to meet with you)**

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