

# Optics & Photonics Roadmap

## OVERALL STRATEGIES

### Needs for Government Facilities and Lab

- Continuous support for ADMATEL and AMCEN
- Establishment of irradiation facilities in Visayas and Mindanao to cater to the industry sector in the region

### Needs for Human Resources

- Increase awareness of Optics and Photonics in STEM curriculum, in industry and among consumers
- Send 10 researchers abroad to raise local talent to global standards by providing exposure and training in renowned research laboratories
- Establish programs to obtain visibility into industry needs and open channels for collaboration (e.g. internships, immersions)
- Introduce targeted training electives in Optics and Photonics to promote employment readiness of graduates for certain industry applications
- Balik Scientist Program to consolidate resources and lead R&D and collaboration efforts in the field
- Improve workforce preparation for opportunities with multinational partners

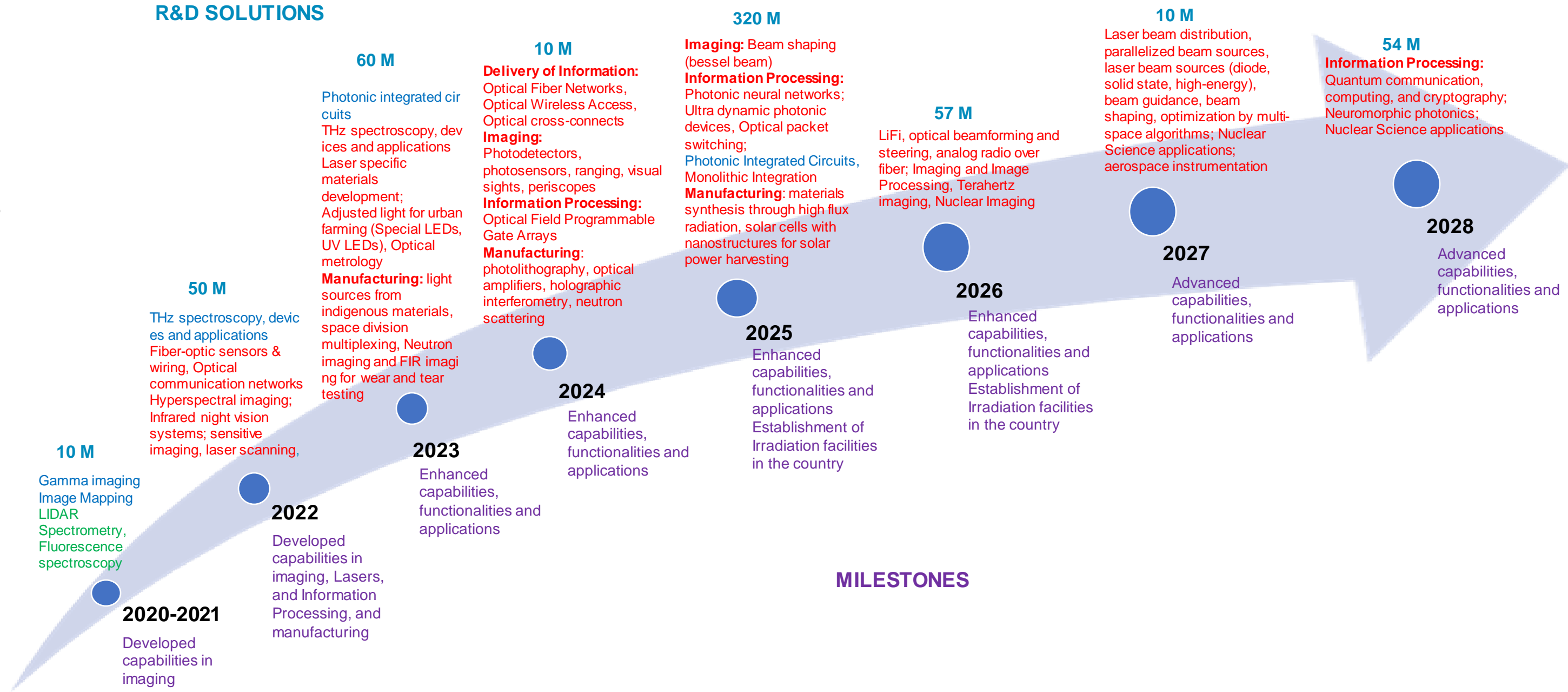
### R&D Program / Project Needs

- Build and publish database with information regarding technology researches, publications, laboratories and equipment, and skills developed
- Partner with at least 10 entities for R&D applications and infrastructure co-development
- PATHS Center R&D project: THz Measurements for Quality Assurance of Semiconductor and Aerospace Devices (2022-2024)

### S&T Policy Initiatives

- Ensure communication of government policy incentives and benefits to stakeholders

## R&D SOLUTIONS



## MILESTONES

## VISION

Provision of enabling technologies for applications beneficial to society.

## OVERALL OUTCOME

Locally-developed products and services intended for wide-range of applications