

Sustainable Indium Phosphide (InP) platform and ecosystem upscaling, enabling future mass market (sub-)THz applications.

Move2THz



VISION

Project will address today's InP shortcomings and build a mature European ecosystem to obtain a commercially and industry viable platform for use in various mass-market applications utilizing the higher frequency spectrum towards THz and beyond.

GENERAL INFORMATION

Start date: 2024 06 01
 Duration: 36 months
 Number of partners: 27
 Total investment: € 38,82 M
 EU budget contribution: € 11,96 M

MAIN OBJECTIVES

O1

Provide a competitive facility for the high volume InP manufacturing in Europe, ready to use for industry.

O2

Foster and leverage European ecosystem on InP from the material to the application and widen the market adoption.

O3

Demonstrate an overall CO2 footprint reduction all along the product life cycle, from cradle to grave.

SUBSTRATES

soitec

c22 leti

Freiberger

InPACT

EPITAXY

AIXTRON

Almae

UNIVERSITÄT DUISBURG ESSEN
Open-Minded

III-V lab

soitec

PROJECT COORDINATOR

TeraGlobus
SAVE THE EARTH

COMMUNICATION PARTNER

benkei
strategy • innovation • development

BENKEI SUPPORTS THE COORDINATOR AND CONSORTIUM IN THE MANAGEMENT OF THE PROJECT

Fraunhofer EMFT

ST

TU/e Eindhoven University of Technology

albis

MICROWAVE PHOTONICS

ETH zürich

FBH Leibniz Ferdinand Braun Institut

CHALMERS

DIRAMICS

ZNF

III-V lab

AdMOS

incize

CNRS

iemn Institut de Recherche en Microélectronique et Nanotechnologie

UCLouvain

umec

ims bordeaux

SMART PHOTONICS

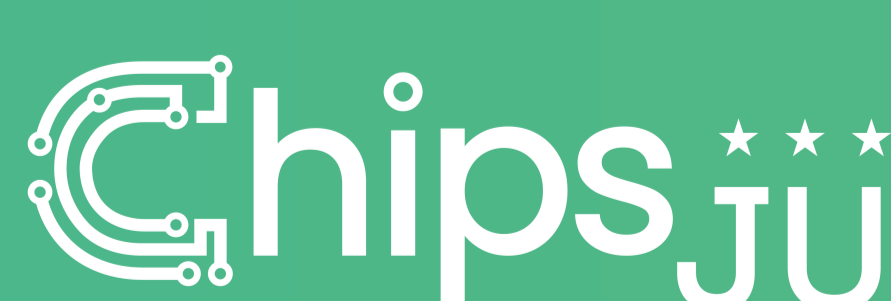
DESIGN DEMONSTRATOR

DEVICE

ACKNOWLEDGMENT:



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