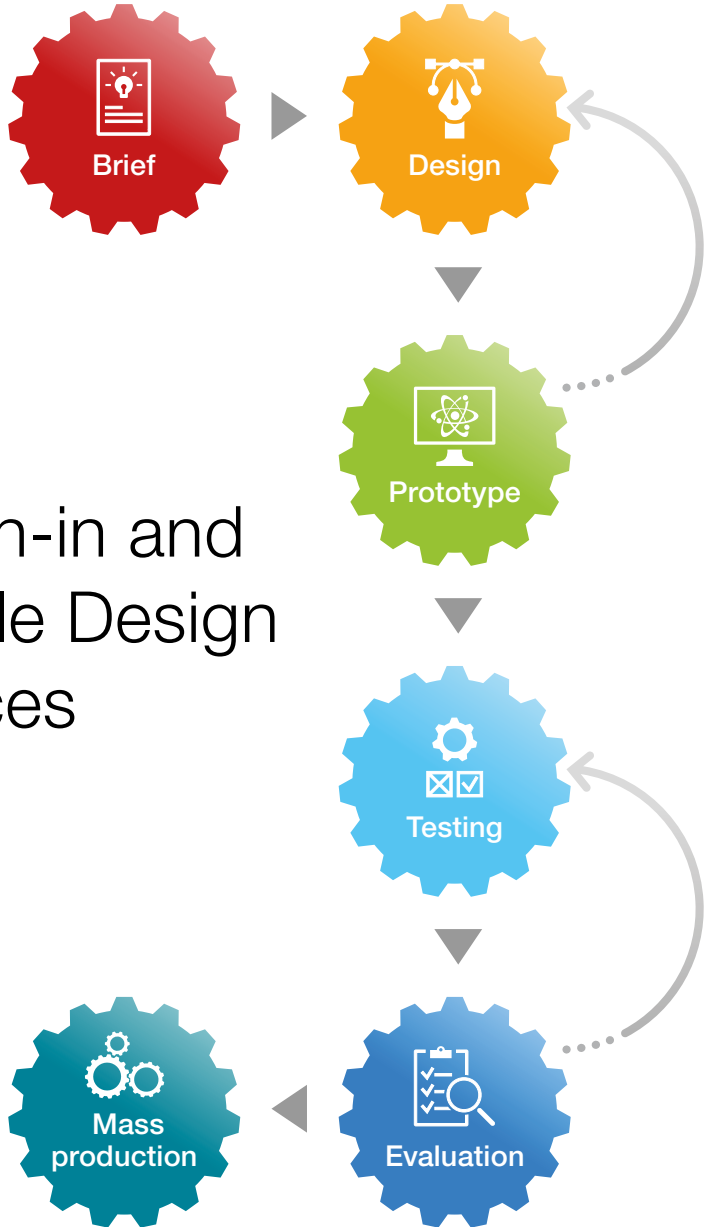


# Design-in and Module Design Services



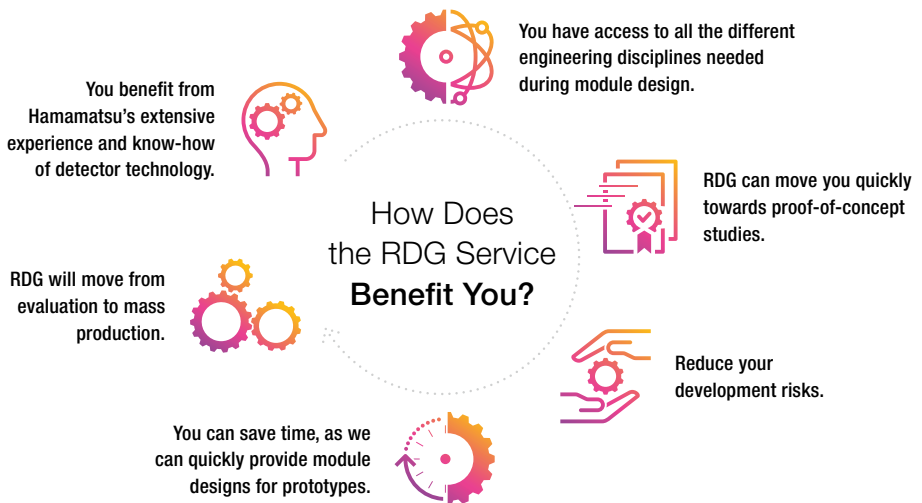
# Who are the Hamamatsu Photonics Rapid Design Group (RDG)

Hamamatsu Photonics established the Rapid Design Group (RDG) to work with customers, and Hamamatsu's internal divisions, to provide design-in support and rapid prototype development of modules.

Based in Europe, they offer a range of services to support your specific application needs and requirements. From your idea to design-in phase, evaluation to mass production, RDG have the engineering disciplines, technical expertise and know-how to take you easily through the entire development process.

If you already have an idea for your next Project, but have limited resources to design such a module – RDG can discuss the development process of a module for you to test and evaluate.

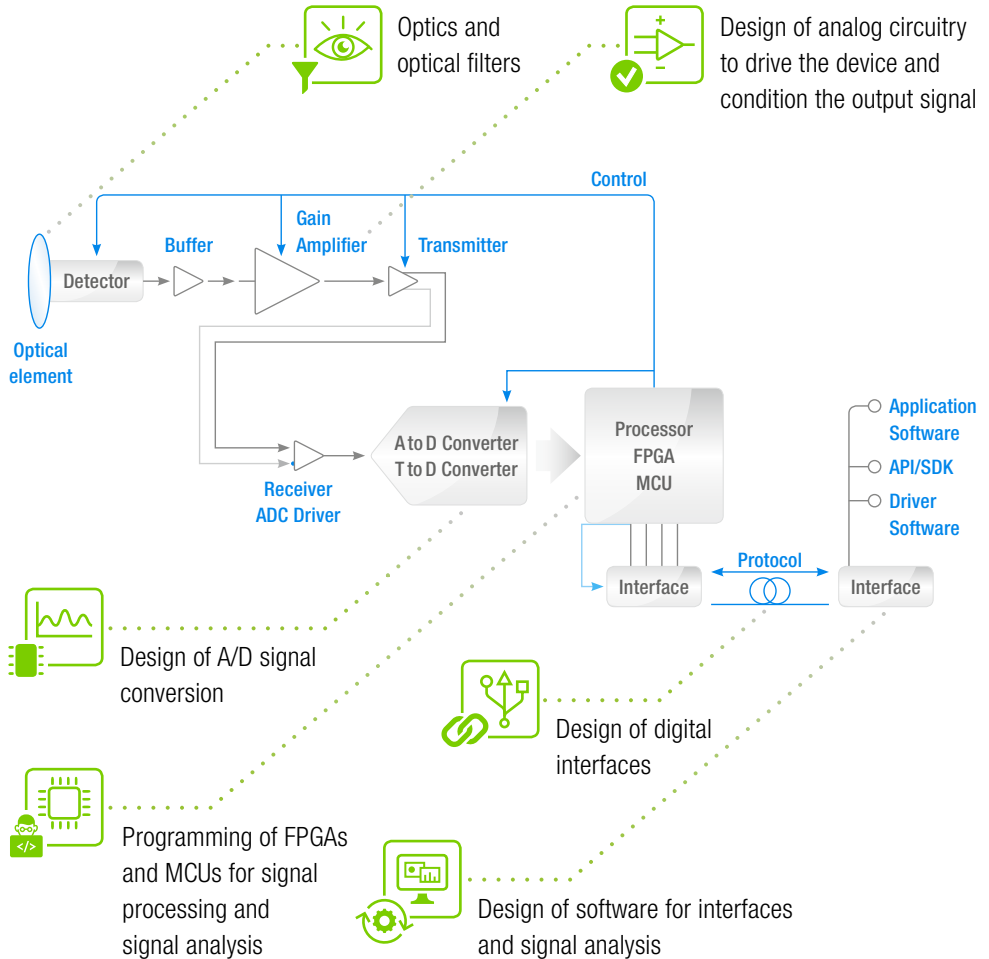
If you think that a Hamamatsu device could be suitable for your project but need support to get the device up and running in your environment – RDG can provide you with expert technical advice to help you optimally use the device for your application.



## Through the design-in phase, they provide you with technical expertise to:

- Help you to get our device up and running quickly and smoothly
- Help you to choose the optimal device for your application
- Help you to understand and interpret the output signal from our device

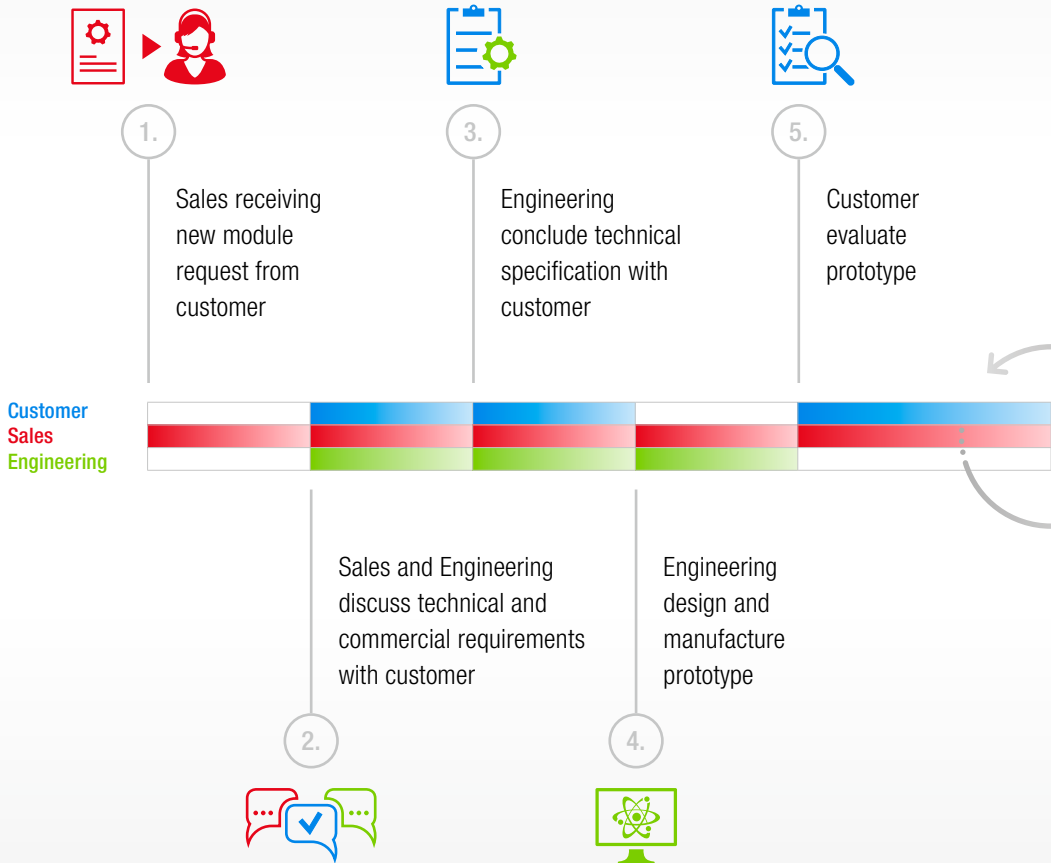
# The Expertise of Our Engineering Team



## Rapid design of modules

RDG design modules based on a Hamamatsu device to meet your specific design needs. They can provide rapid design of module prototypes for device evaluation and proof-of-concept validation. RDG can then move from evaluation to mass production.

# What is the Process for a Rapid Prototype Project?

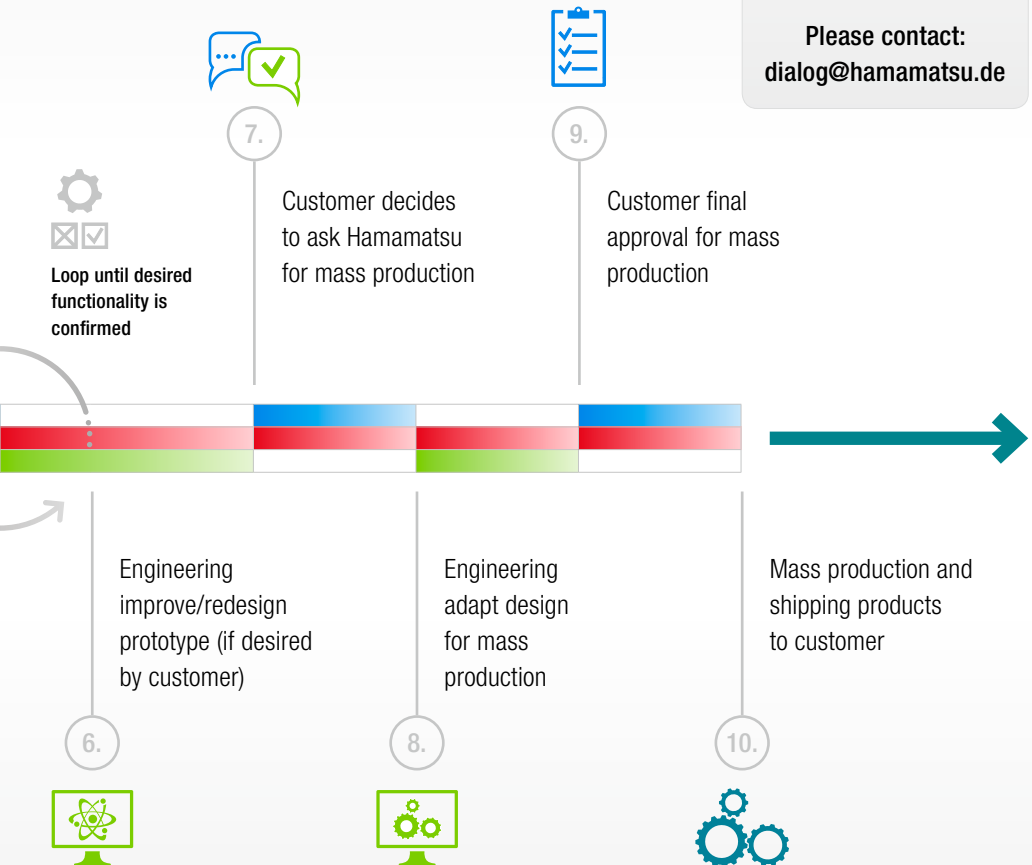




## Already having an idea?

Tell us more about it.

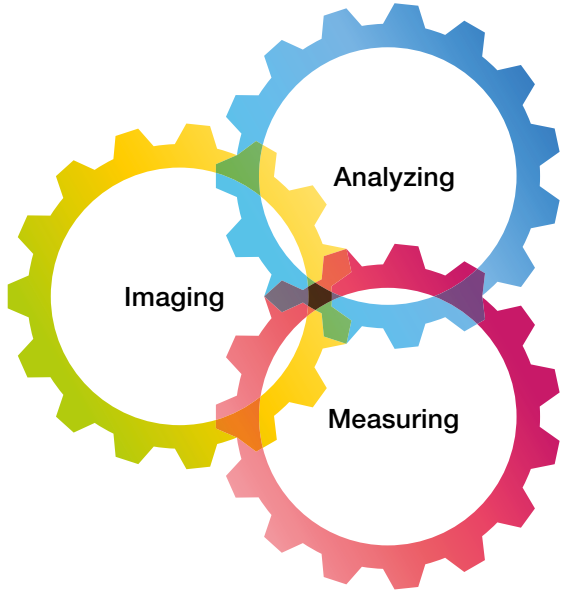
Please contact:  
[dialog@hamamatsu.de](mailto:dialog@hamamatsu.de)



# Examples

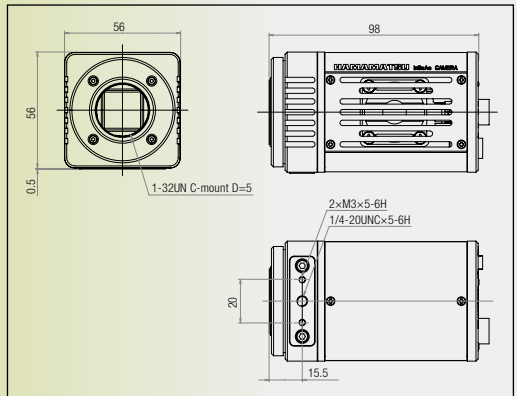
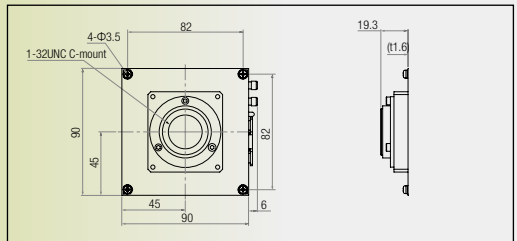
Imaging, analyzing and measuring are the main applications where the core technologies of modules can be utilized.

Click here for more details about the Hamamatsu Modules Website [modules.hamamatsu.eu](http://modules.hamamatsu.eu)



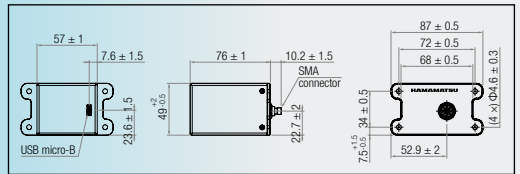
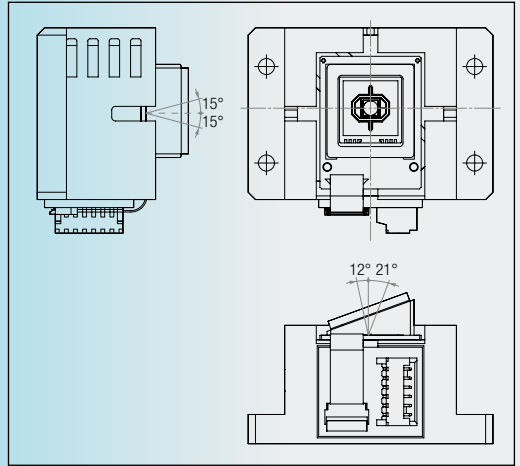
## Imaging

- InGaAs linear image sensor modules
- InGaAs area image sensor modules
- Distance image sensor module
- CMOS linear image sensor module
- Imaging plate reader module for CR



# Analyzing

- Ion sensor and driver circuit
- Driver circuits for MEMS mirror
- FTIR engine
- MEMS-FPI spectroscopic modules
- Photosensors with front-end IC
- LiDAR module



# Measuring

- Mini-spectrometer for LIBS applications
- InGaAs photon counting module
- InGaAs photon counting image sensor
- Photon counting image sensor
- X-ray photon counting module

X-ray photon counting

ASIC FUNCTIONS

COUNTER

AMP

FLOW cytometer

# MPPPC

PET

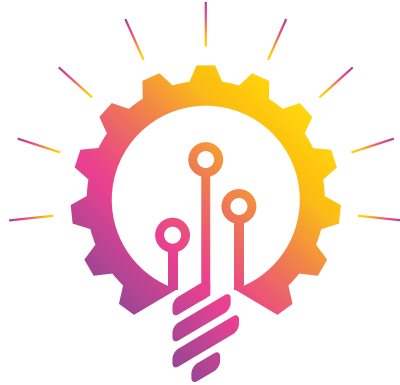
TOT

TDC

COUNTER

GATE

LiDAR Microscopy Spectrometer



**Already having an idea?**  
Tell us more about it.

Please contact: [dialog@hamamatsu.de](mailto:dialog@hamamatsu.de)

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