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ESSENTIAL EXPERTS YOU NEED TO DEVELOP YOUR UV SOLUTION

How to choose the right partner for developing the best product to fully harvest the potential of UV light

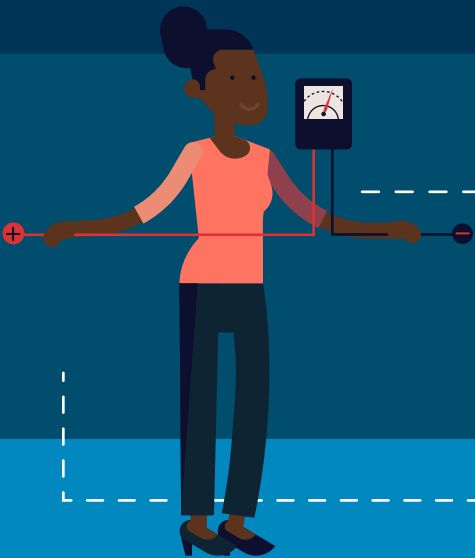
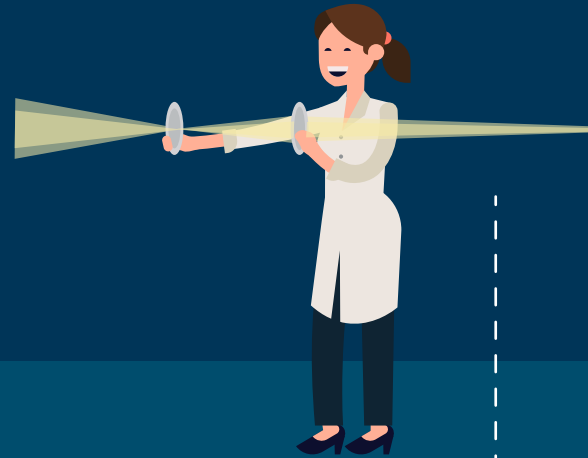


SYSTEM ARCHITECT

Taking your needs to heart, they **lead the technical team** to the best possible UV illumination scheme. They consider the use case, the targeted performances, required dose, the applicable norms and regulations (provided beforehand), other inputs from their team, and even the esthetic aspect to conceptualize, design, and manufacture your product.

OPTICAL DESIGNER

With their thorough understanding of light propagation and modelling capabilities, they **create a model of the solution and help iterate towards the best components** (sources, optics, detectors, etc.).

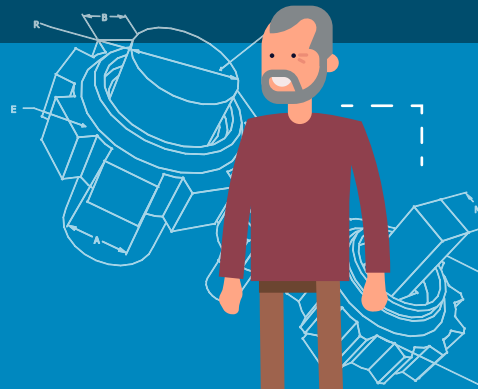


OPTOELECTRONIC EXPERT

They are key to bringing the product to life. They are responsible for the electronic aspects of the product. **They design products to meet the targeted performances and functionalities**, as well as devise controls to ensure user safety and system integrity.

MECHANICAL ENGINEER

Integrating the selected optical and electronic components such that the product is robust and stable over long durations, they consider thermal effects, vibrations, and safety, among other requirements. **They are responsible for the physical shape of your product**, often working closely with an industrial designer to optimize the form, look, and feel of your product without compromising performances and safety.



SOFTWARE/FIRMWARE ENGINEER

They make sure that your product interface will satisfy the needs of intended users. **They design, develop, and test the firmware and software functionalities** to ensure a smooth user/product interaction.



SAFETY OFFICER

They consider all possible UV exposure scenarios (skin, eye) and determine the limits of the UV output so that user/personnel UV exposure is always kept below maximum permissible exposure limits. They also ensure warnings, instructions, and labels are present to meet applicable regulatory norms. Similar considerations are taken for electrical safety.



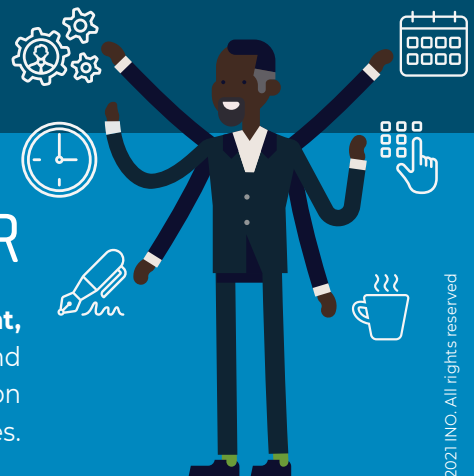
PRODUCTION ENGINEER

They **oversee the design** and make sure it is compatible with the desired product life cycle, anticipated production volumes, tests, and even future servicing. **They also make sure your product is scalable**, leading the transfer of production to an emerging production cell.



PROJECT MANAGER

They lead the team to success by tightly following the design, development, procurement, test, and manufacturing activities—ensuring the budget and timeline stay on target throughout the project. Having experience in UV solution development is key here to properly plan the project and avoid costly surprises.



Gaining access to all these resources is not as simple as it sounds. Gathering all this talent—with experience in UV solutions—can be a difficult and costly exercise. Alternatively, you could select a partner who already has all these experts under one roof. That's the case at INO.

*Less complex projects may require fewer experts be involved

[Contact us for more information](#)

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