Infographic

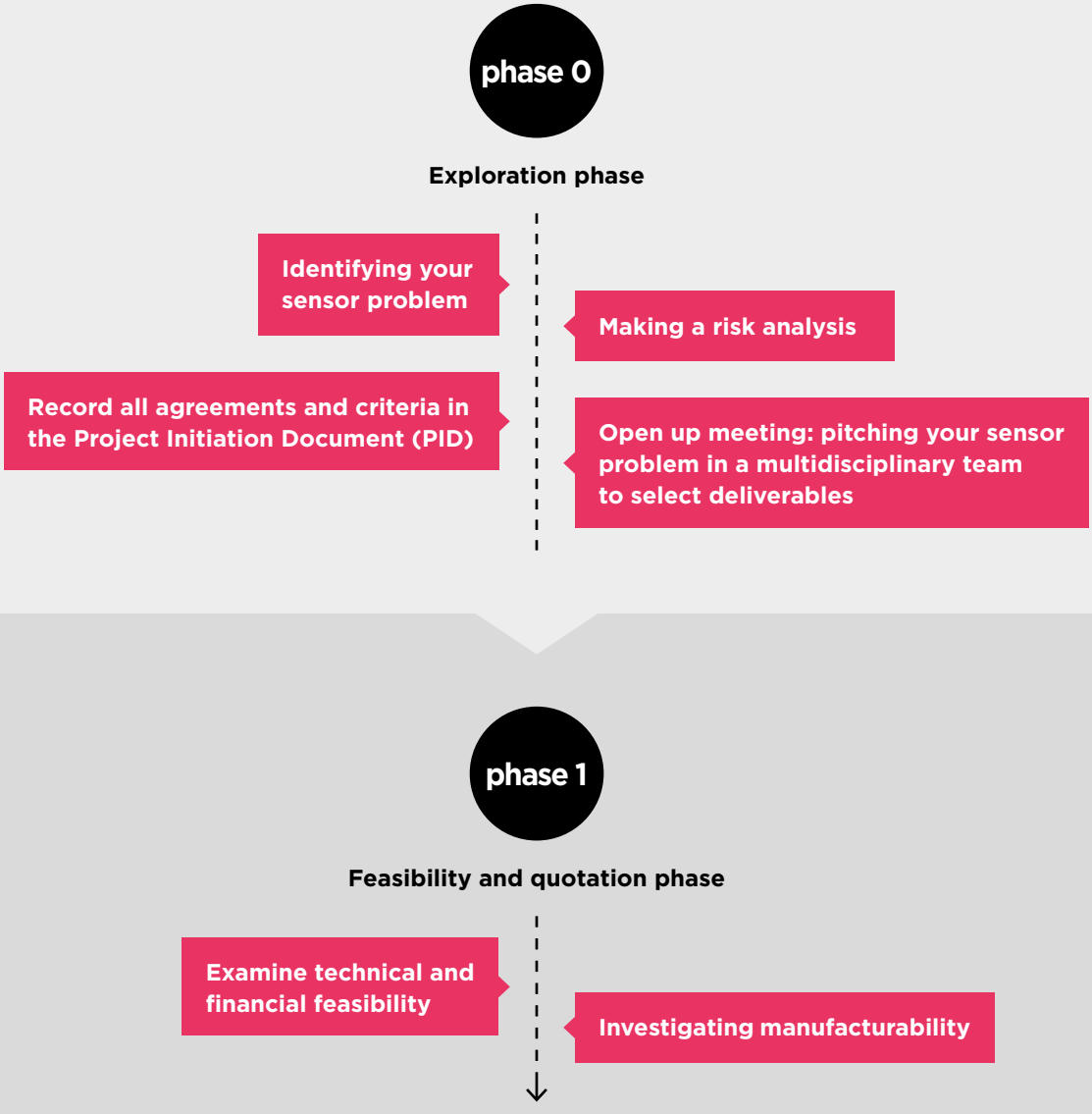
How do you integrate your sensor in your application?

sentech
the sensor integrators

challenge accepted.

In 5 phases to your sensor integration

This is the way of working to translate your sensor issue into a sensor integration. This is how you monitor the quality of your end product, and balance this against costs and lead time. We have already applied this method many times. Discover in 5 phases how we work and inspire yourself.



Want to know more? You'll find details about our work processes in this article
sentech.nl/rde-workprocesses

cont. phase 1

- Creating a concept project planning
- Make a pre-calculation
- Deliver quotation for product and process development together with PID containing all project details

phase 2

Product design phase

- Finalising project planning
- Identify 'Critical to Quality' and eliminate design risks with the Design Failure Mode Effects Analysis (DFMEA)
- Prioritising risks based on Risk Priority Number (RPN)
- Creating and delivering prototype
- Hardware and software design
- Evaluate technical and financial feasibility and capacity
- Submit technical documentation for approval
- Testing product in relation to 'critical to quality'

phase 3

Proces design phase

cont. phase 3

- Creating a process flow
- Identifying process risks with the Process Failure Mode Effects Analysis (PFMEA)
- Identifying the reliability of our measurement systems with Measurement System Analysis (MSA)
- Training on the job: Assembly and Test Engineers learn how to assemble and test your sensor solution
- Determine production tooling and facilitate production
- Describing actions for highest risks in the Control Plan
- Prepare work instructions and other documents for Assembly and Test Engineers

phase 4

Validation and reflection phase

- Determining quality limits with the Statistic Process Control (SPC)
- Determine exact lead time and desired deliverables
- Master samples delivery
- Deliver quotation for series production
- Produce small series of your sensor solution
- Make a final calculation
- Lessons learned meeting: our team discusses (together with the customer) what went well and what could be improved

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end phase 4

Start serial production of your sensor solution

Share your challenge with our sensor expert Jeroen

We like to share our knowledge with you. So you can quickly continue with your sensor integration project. All you have to do is let Jeroen know that you have a question. He will call you back within 1 working day.

make a call

sentech.nl/rde-graph-call

challenge accepted.