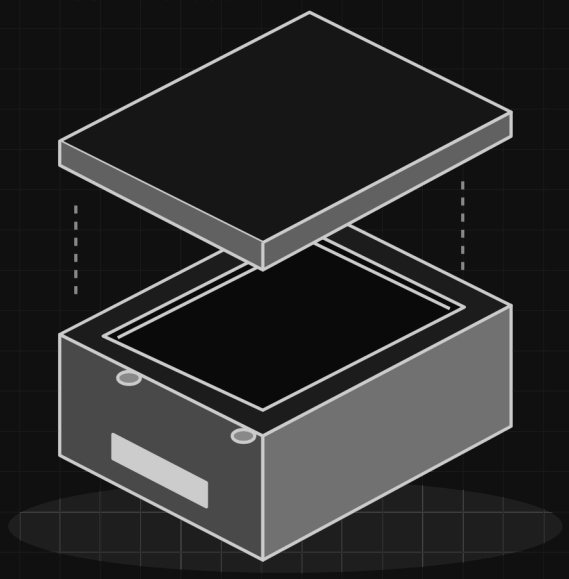
YOUR IDEA. YOUR NEXT STEP.

Design and Build.

Your guide from first idea to concept pack and manufacturing quotation.

ILLUSTRATIVE SENSOR ENCLOSURE



EXAMPLE ONLY / NO PRODUCTION SPECIFICATION

IDEA | BRIEF | CONCEPT | MODEL | QUOTE | PART

One account. Two routes. A clear next step.

For customers developing a product or requesting manufacturing through VESSEY.

Illustrative journey: outputs and manufacturing remain subject to review and agreed terms.

01 / CHOOSE YOUR ROUTE

Start with what you have.

A new product problem and a manufacturing-ready model need different starting points.

DESIGN

You need a concept, engineering direction, or a structured development brief.

- ✓ Describe the product problem.
- ✓ Explain who will use it and where.
- ✓ Gather references and constraints.

BUILD

You have a supported 3D model and need a manufacturing estimate.

- ✓ Prepare the model file.
- ✓ Know the quantity and requirements.
- ✓ Think about delivery or collection.

WHICH ROUTE FITS?

“I need a housing for a new sensor” starts with Design. “I have a model of the housing and need a quote” starts with Build. These are fictional examples.

ACCOUNT / 03 WORKSPACE / 04 DESIGN / 05-07 BUILD / 08-11

One verified account

Use the same named VESSEY customer account for both routes. Your shared workspace brings requests, progress and issued documents together.

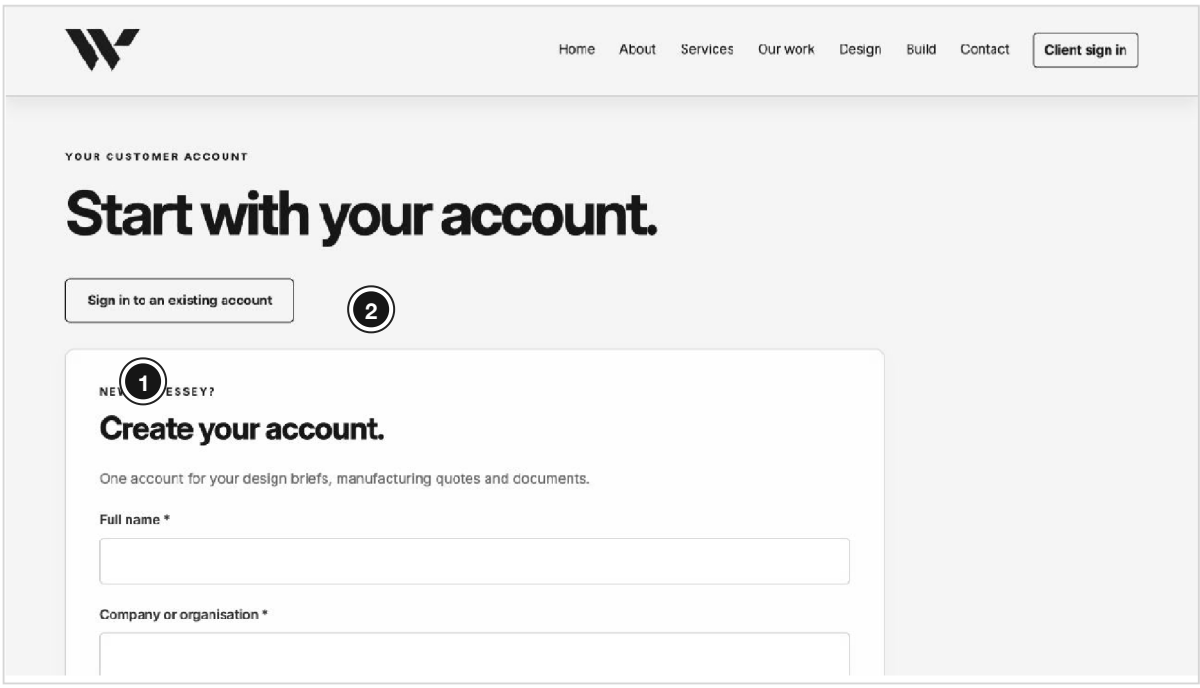
FIND HELP FAST

Documents and privacy: page 12. Troubleshooting: pages 13-14. Quick reference: pages 15-16.

02 / ACCOUNT ACCESS

Your account comes first.

Use your own named account before confidential work begins.



SOURCE SCREENSHOT / Account entry page reproduced from the supplied September 2026 guide. Current appearance may differ.

01

Create your account

Open the Design or Build request page and choose Create account. Provide your name, organisation, email, telephone and acceptance of the terms.

02

Use the emailed setup link

Set your private password through the email link. Successful password setup through this link also confirms the email address.

03

Sign in and open Customer Progress

Your shared workspace becomes available. Use Profile and access for contact updates or a password-reset email.

> **KEEP THIS DETAIL RIGHT**
>
> Your verified sign-in email cannot be changed in the self-service profile area. Contact VESSEY if it needs correction.

Screenshot landmarks: 1. “Create your account.” identifies the entry form. 2. “Sign in to an existing account” is the return-access option. The complete form continues below the source crop.

03 / YOUR SHARED HUB

Find the next action.

Open /customer-progress after signing in. Your requests and issued documents are protected by account permissions.

Customer Progress - conceptual overview ILLUSTRATIVE WIREFRAME

1. **Profile and access**
   Your name, organisation, telephone and verified email. Update contact details or request a reset email.
2. **Current request / next step**
   Find the project name and current stage. Resume the next available action.
3. **Design progress**
   Find your NDA, brief and Concept Generator status.
4. **Build quotations**
   Start, resume, accept or decline a quotation.
5. **Documents**
   Find issued NDAs, submitted briefs and revision records. Download authorised material.

Conceptual layout for guidance. Replace with a verified task screenshot before a live-interface edition.

“What do I do next?”

Start with the current request and workflow stage. Then open the relevant Design or Build area.

“Where is my file?”

Look under your request in Customer Progress. Downloads use short-lived secure links.

HELPFUL TIP

Keep profile contact details current so future requests use the right information. The account page supports password setup and return access.

04 / THE DESIGN JOURNEY

Turn a problem into a brief.

Submit a brief and GENii takes it through Define, Discover, Create and Develop.

Your completed concept pack arrives by email link.

01 **Start a concept request**

YOU / Select Design. Your named account is required before confidential work begins.

02 **Review and sign the NDA**

YOU / Complete the confidentiality agreement. The signed agreement is retained in your workspace.

03 **Complete and save the brief**

YOU / Describe safety risks and prototype checks. Add your requirements and references.

04 **Review and submit**

YOU / Check and submit your brief. Submission starts GENii automatically.

05 **Develop the concept**

GENii / Selects a direction that meets the requirements and develops six A3 boards.

06 **Download the concept pack**

YOU / Open the email link and sign in to download the six-page PDF.

WHAT HAPPENS NEXT

GENii emails you if essential information is missing. Answer in your project and processing resumes.
The completed pack is available in your project.



You submit

Brief + references

→



GENii develops

Six-board concept pack

05 / PREPARE YOUR BRIEF

Make the problem easy to understand.

General preparation advice: a useful brief explains the need, the context and what success would look like.

The problem

What needs to work better? Describe the need before prescribing a solution.

The user

Who will use the product? Include the tasks they need to complete.

The environment

Where will it be used? Explain the conditions relevant to the design.

The constraints

Describe space, fit, interfaces and other known limits. Separate fixed needs from preferences.

The references

Attach authorised photos, sketches or files. Explain what each reference demonstrates.

Success

Describe how you would recognise an acceptable result.

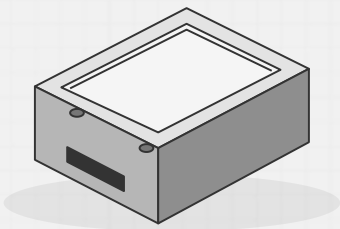
FICTIONAL SENSOR ENCLOSURE

From vague to useful

~~“Design a box for my sensor.”~~

“Create a housing for a sensor used by technicians. It must fit the supplied board, allow access to the connector and open for servicing. See the board model and installation photos. Success means secure fit and accessible connections.”

ILLUSTRATIVE SENSOR ENCLOSURE



EXAMPLE ONLY / NO PRODUCTION SPECIFICATION

WHY THIS MATTERS

References help explain requirements when you say what matters in them. State which measurements are known and which still need confirmation.

06 / SAVE, SUBMIT, REVIEW

Check your brief before submission.

Save while you work. Submitting the brief starts GENii automatically.

Design brief - conceptual task view ILLUSTRATIVE WIREFRAME

1. **Product requirements**
   Describe the problem, user, environment, constraints and success criteria.
2. **Reference files**
   Attach relevant material you are authorised to share.
3. **Draft and submission**
   Save your draft, check the requirements and submit to GENii.

Conceptual layout for guidance. Replace with a verified task screenshot before a live-interface edition.

While it is a draft

Save progress as you work. Return to the relevant stage if it remains editable.

After submission

GENii selects and develops the concept direction. Answer in your project if GENii requests an essential detail.

- ✓ The problem and intended user are clear.
- ✓ Safety risks and checks are recorded.
- ✓ The latest draft is saved and ready to submit.

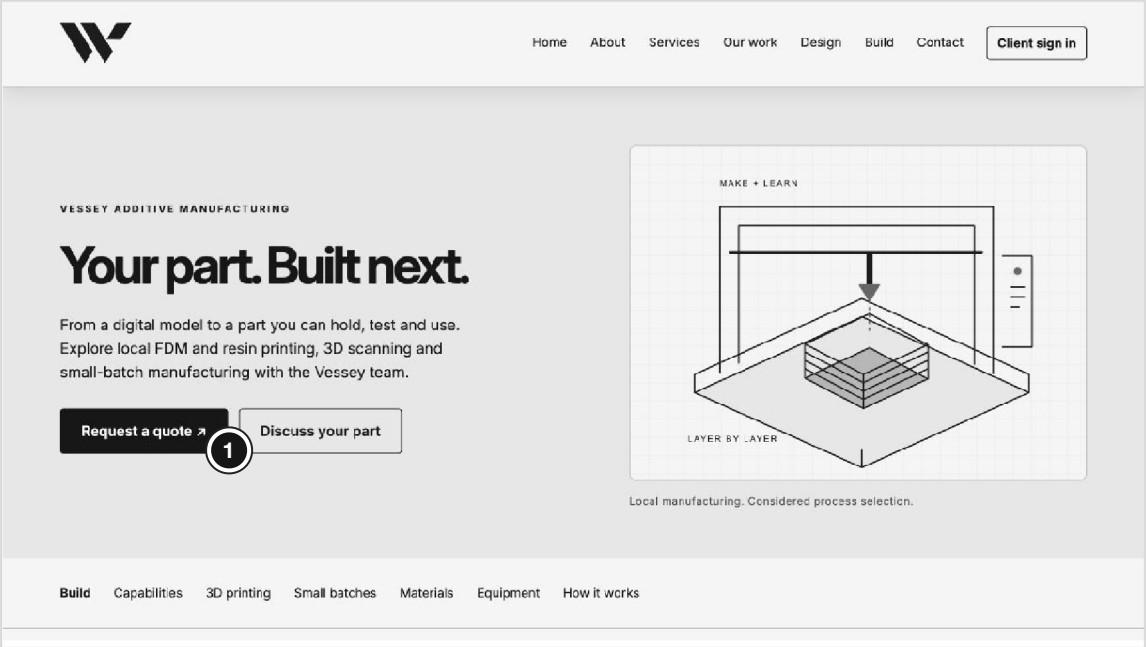
CONCEPT GENERATOR

Follow definition, discovery, concept selection and development in your project. The six-board concept PDF is free. Engineering, prototypes and manufacturing are quoted separately.

07 / THE BUILD JOURNEY

From model to quotation.

Use Build to request a manufacturing estimate from a supported 3D model.



SOURCE SCREENSHOT / Build entry page from the supplied September 2026 guide. “Request a quote” is the visible entry action; the upload and configuration screens are not shown.

01 / Upload

Start or resume a quote, then upload an eligible model.

02 / Configure

Choose material, finish and quantity for the parts.

03 / Delivery

Choose delivery or collection and review the details.

04 / Review

Check every part, the requirements and the total.

05 / Decide

Accept or decline. Your decision goes to the Build Coordinator.

06 / Coordinate

Watch for communication about production and delivery.

WHAT HAPPENS NEXT

Acceptance records your decision; it does not start production immediately. The team reviews it and confirms production planning and scheduling. Confirmed manufacturing records then move through internal operations.

08 / MODEL UPLOAD

Send the right file.

The system analyses eligible model information after upload. Acceptance depends on the Build workflow.

STL	STEP	STP	OBJ	3MF

Model upload - conceptual task view ILLUSTRATIVE WIREFRAME

1. **Choose the model**
   Upload a supported model file for the part you want quoted.
2. **Check the result**
   Confirm that the uploaded model and any available analysis refer to the intended part.
3. **Add requirements**
   Record critical tolerances, fit needs, cosmetic surfaces and target dates in notes.

Conceptual layout for guidance. Replace with a verified task screenshot before a live-interface edition.

Use millimetres where possible

Make units clear. Do not assume a model alone communicates a critical dimension or fit requirement.

If an upload fails

Check the file type, size and whether the model is corrupted. Contact VESSEY if a valid supported model repeatedly fails.

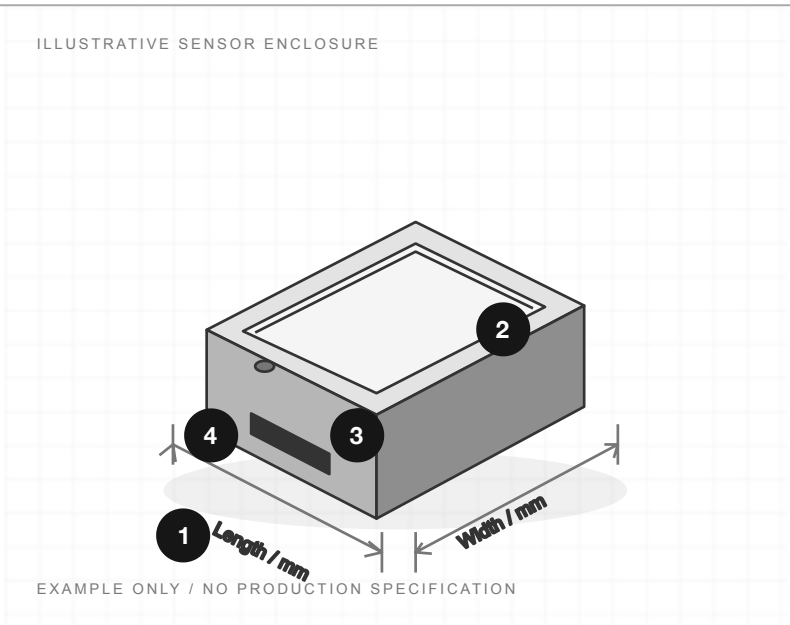
BEFORE YOU START

Prepare the intended model version and the references needed to explain its requirements. No file-size limit or analysis capability is assumed in this guide.

09 / EXPLAIN YOUR PART

Show what matters on the model.

General preparation advice: make functional and appearance requirements explicit in the notes and references.



1 / Dimensions and units

State relevant dimensions and units. Flag the features whose tolerances are critical.

2 / Mating surfaces

Identify where another component connects. Explain the required fit.

3 / Cosmetic surfaces

Mark surfaces that will be seen. Explain any appearance requirements.

4 / Openings and access

Explain connector access, assembly and servicing needs where relevant.

COMMON MISTAKE

A visually complete model may still leave requirements unstated. For this fictional enclosure, the board fit and connector opening matter as much as the outside shape.

10 / CONFIGURE AND REVIEW

Read every part. Check the total.

You can revise the configuration before accepting the quotation.

Quotation configuration - conceptual task view ILLUSTRATIVE WIREFRAME

1. **Part requirements**
   Choose material, finish and quantity. Check every part.
2. **Delivery or collection**
   Select the fulfilment option and verify the relevant details.
3. **Quotation review**
   Review the configured parts, notes and total before acting.

Conceptual layout for guidance. Replace with a verified task screenshot before a live-interface edition.

Before you accept

- ✓ Correct part and model version.
- ✓ Material, finish and quantity.
- ✓ Delivery or collection details.
- ✓ Critical requirements and target dates.
- ✓ Every part and the quoted total.

What you should see

An estimate reflecting your selections. Compare it with your intended requirements and correct any discrepancy before accepting.

QUOTE NEEDS CORRECTION?

Do not accept it. Update the configuration or contact the Build Coordinator. If you have already accepted incorrect details, contact the coordinator; changes may require a revised quotation.

12 / DOCUMENTS AND PRIVACY

Keep your project within reach.

Your workspace brings authorised documents and updates together.

Secure downloads

Find issued NDAs, submitted briefs and revision records under your request. Links are short-lived: refresh Customer Progress if a link expires.

Email notices

Account setup, password resets, important quote changes and workflow updates are sent by email. Check spam or junk folders.

Private access

Keep credentials private. Sign out on shared devices. Your account can view its requests and issued documents.

Authorised sharing

Share only material you are authorised to provide. Authorised VESSEY personnel involved in your request see files subject to workflow controls and permissions.

OPEN REQUEST	FIND DOCUMENT	DOWNLOAD	REFRESH IF EXPIRED

AGREED TERMS

Issued work may be subject to the signed NDA, proposal, quotation or agreed commercial terms. Keep the applicable documents with your project records.

HELPFUL TIP

When asking for support, describe the request and stage you were using. Never share your password.

13 / TROUBLESHOOT ACCESS

Get back to your workspace.

Try the first action, then contact the team when the issue needs help.

No account email

First action / Check spam and confirm the email you typed. Use Send password-reset email where available.

Contact VESSEY if / No message arrives after a reasonable delivery window.

Password link expired

First action / Request a fresh reset link from Profile and access or the account page.

Contact VESSEY if / Your verified email is incorrect.

Cannot see Customer Progress

First action / Sign in with the registered email and confirm that the account setup link was completed.

Contact VESSEY if / The page still denies access after successful sign-in.

Contact details changed?

Update your name, organisation and telephone through Profile and access.

Email needs correction?

Contact VESSEY. The verified sign-in email is not editable in the self-service profile form.

SUPPORT

For account access queries, contact the VESSEY team using the contact details supplied with your request.

14 / TROUBLESHOOT YOUR REQUEST

Resolve a file or scope issue.

The right next step depends on whether you are still editing or have already submitted a decision.

Model will not upload

First action / Check the file type, size and whether the model is corrupted.

Contact VESSEY if / A valid supported model repeatedly fails.

Quote needs correction

First action / Do not accept it. Update the configuration or contact the Build Coordinator.

Contact VESSEY if / You have accepted a quotation with incorrect details.

Brief needs revision

First action / Edit your draft before submission. Answer essential questions in your project.

Contact VESSEY if / A submitted brief requires a material scope change.

STILL EDITING → REVISE

SUBMITTED / ACCEPTED → COORDINATOR

WHY THIS MATTERS

GENii processes the submitted brief. For a change in scope or an accepted quotation, contact the team so they can advise on the next step.

SUPPORT

For Design workflow, Build quotation or document queries, use the VESSEY contact details supplied with your request.

15 / QUICK REFERENCE

Your next step, at a glance.

Use the route map to return to the right stage.

DESIGN

01 **Start request**
Use your verified account.

02 **Sign NDA**
Review the confidentiality agreement.

03 **Save brief**
Record requirements and safety checks.

04 **Submit the brief**
Submit your brief to start GENii.

05 **Download the pack**
Open the email link and download your six-board concept pack.

BUILD

01 **Start or resume**
Open the quote workspace.

02 **Upload + configure**
Set material, finish and quantity.

03 **Choose delivery**
Confirm delivery or collection.

04 **Review + decide**
Check every part and the total.

05 **Coordinator planning**
Watch for production and delivery communication.

SHARED HUB

Customer Progress holds your current request, next step, Design progress, Build quotations and authorised downloads.



Can I save a brief?

Yes. Save progress before submitting to GENii.



Can I alter an accepted quote?

Contact the Build Coordinator. Changes may require a revised quotation.

16 / QUESTIONS AND TERMS

A few useful answers.

Keep this page handy when you return to your project.

One account for both routes?

Yes. Your verified VESSEY customer account is shared.

Where do I see progress and documents?

Open Customer Progress after signing in. Documents appear under your request; download links expire.

How do I reset my password?

Use the password-reset option in your account area.

How do I request a design change?

Answer GENii questions in your project. Contact the team for a change in scope.

Who can see my files?

Authorised VESSEY personnel involved in your request, subject to permissions and workflow controls.

Useful terms

NDA / The confidentiality agreement reviewed and signed in the Design workflow.

Brief / Your structured product requirements and reference material.

Concept Generator / GENii selects a direction and turns your submitted brief into six A3 concept boards.

Quotation / The estimate you review before recording acceptance or decline.

CONTACT VESSEY

Use the contact details supplied with your request for account, Design, Build or document support.

Document owner: VESSEY & VESSEY. Edition 2.1, 15 November 2026. Updated for automatic concept generation.
Screenshots, wireframes and the sensor enclosure are illustrative.