

















Young Vic



Thanks

With very special thanks to the many individuals and organisations who have provided input and support in developing the ETC edition of the Theatre Green Book, including:

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The ETC Theatre Green Book was developed with the ideas, inspiration and enthusiasm of all the staff of a focus group of ETC member theatres who trialled the guidance, provided

feedback and worked collaboratively to develop the Theatre Green Book:

Teatro Arriaga, Bilbao

Deutsches Theater, Berlin

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Národní Divadlo, Prague

Det Norske Teatret, Oslo

Staatsschauspiel, Dresden

Toneelmakerij, Amsterdam

Young Vic, London

Het Zuidelijk Toneel, Tilburg

We apologise if any names have been missed. Very many others have helped through the many theatre organisations, and companies who are working for sustainability, and whose thinking has contributed to this guide.

Icons from Flaticon: https://www.flaticon.com/

ETC Foreword

The European Theatre Convention (ETC) is proud to introduce the ETC Theatre Green Book, a comprehensive resource to guide European theatres step-by-step towards net zero emissions by 2030 – across their productions, buildings, and operations. Developed in collaboration with Renew Culture, the creators of the renowned Theatre Green Book, the tool has been meticulously tested in European theatre environments to create an international version that works across diverse funding, geographic, and social contexts.

One of the key strengths of the ETC Theatre Green Book is the introduction of a new self-certification system to measure sustainable progress in our sector at the European level. This is based on a shared assessment tool and was requested by European theatres through the Opole Recommendations, the policy outcome of the high-profile European Theatre Forum event in 2023. There are four levels to the ETC Theatre Green Book self-certification: Preliminary, Basic, Intermediate, and Advanced. Additionally, the guide includes detailed calculators and tracking tools to make the process of greening theatre activities accessible, comprehensive, and efficient. By using circularity principles and an inherent reduction of carbon footprint, the reach of a net-zero sector becomes a realistic proposition.

We are excited about the potential of the ETC Theatre Green Book and the power of networks to accelerate sustainable change across Europe and beyond. Theatre has the power to exert an outsized influence in society, acting as a beacon for change and guiding others towards sustainable practices. We also know that theatres do not exist in isolation, and there is no better guide or mentor than a colleague.

By sharing this tool, we aim to enable theatres everywhere to join our 60+ ETC member theatres and use the same tools to achieve bold, adventurous, and enjoyable progress on sustainability by the end of this decade. I thank Renew Culture for their collaboration, ETC member theatres for their trust and readiness to change towards sustainable practice, and the European Commission for supporting us to make Europe's theatres a place fit for the future. Together, we can ensure a sustainable future for all.

Heidi Wiley, Executive Director of the European Theatre Convention

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• Tools	
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• Toolkits	

We would like to thank everyone who has supported the Green Book with their time, their commitment and ideas. Their names are in the acknowledgements. And special thanks to the funders of the Green Book, whose names you'll find in the inside back cover.

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Green Book Foreword

Theatre has begun a journey.

It's a journey we must all make - a transition to a world where we live, work, travel, eat and make art without harming the planet we live on. To use Gro Harlem Brundtland's definition of sustainability: to meet the needs of the present without compromising the ability of future generations to meet their own needs.

We need to make this transition urgently. The climate emergency is a crisis, and a crisis is a problem that demands attention now - not next year or the year after. Many theatres have laid credible plans to achieve net zero by 2030.

The good news is that we're already well on the way. Since the Theatre Green Book came out in 2021, networks all over the world, encompassing all varieties of theatre, opera and dance, have joined this collective initiative. We're learning, together, to make theatre sustainable. We're learning how to share that progress with our partners and audiences.

Theatre's core strengths are innovation, courage and creative thinking. They've all fed into this second edition of the Theatre Green Book. With their help, we can make the journey to net zero. We can make theatre today, without compromising the dreams of future theatre-makers.

Lisa Burger and Paddy Dillon, Renew Culture

The climate emergency is the most serious challenge humanity has ever faced.

Theatre can play an essential part in our response.

So theatre must become environmentally sustainable.

The Theatre Green Book

A complete method for environmentally sustainable theatre

- A framework for planning sustainability
- Best practice guidance for every area
- Three standards on the path to net zero
- A measurement system to measure progress

based on

- Practical expertise from theatre-makers
- Reliable methodology from environmental sustainability experts

to support

- Work of any kind (theatre, dance, opera...)
- By anyone (freelancers, companies, theatres, schools...)
 - At any scale

To be sustainable, we need to...



... make theatre **Productions** as sustainably as possible

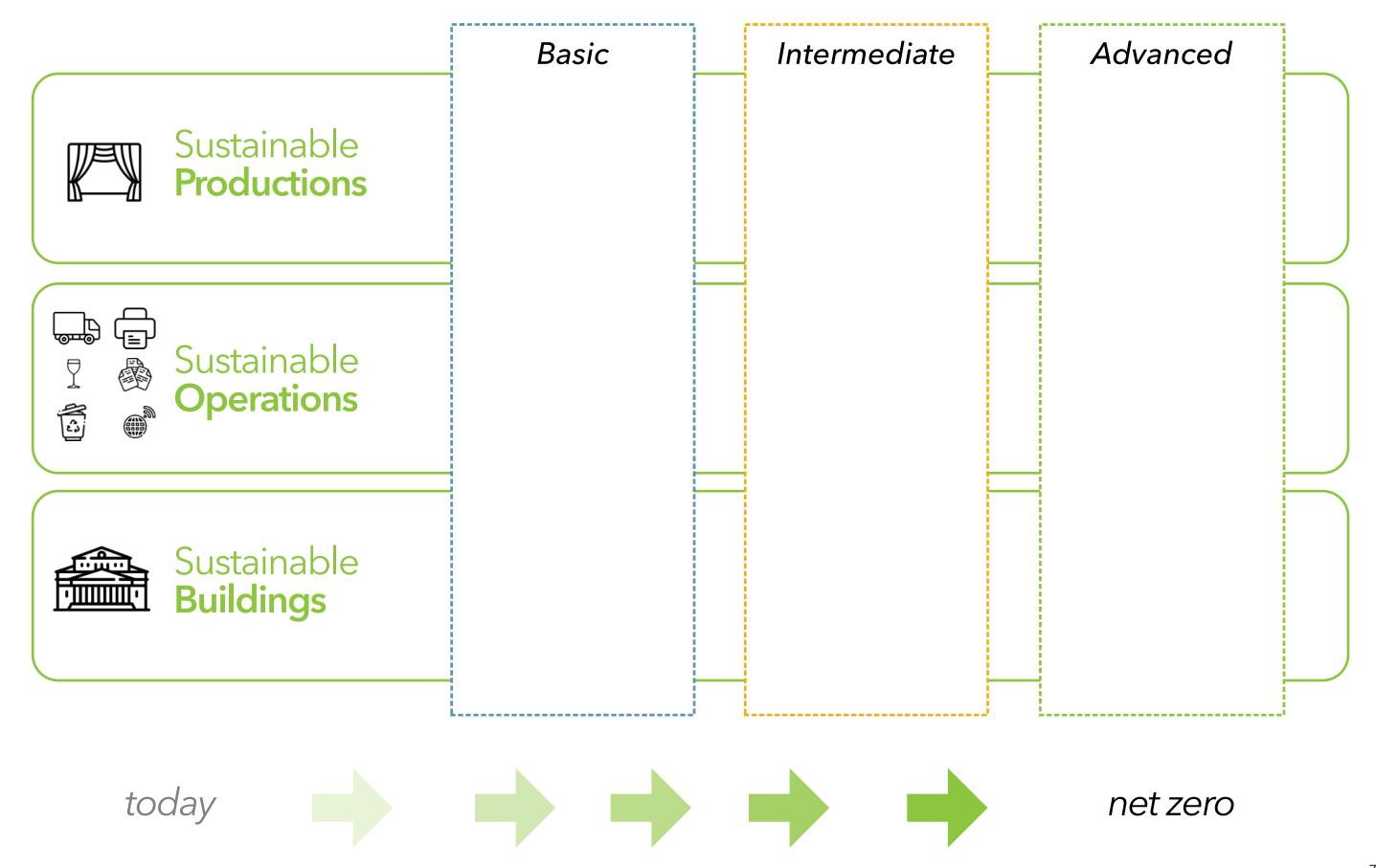


... run theatre **Operations** as sustainably as possible



... make theatre **Buildings** as sustainable as possible

Follow three steps for the transition to net zero



What must we do to make theatre sustainable?

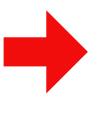
In our PRODUCTIONS, we need to ...















move from a **linear**...

... to a **circular** economy for theatre





In our OPERATIONS, we need to ...



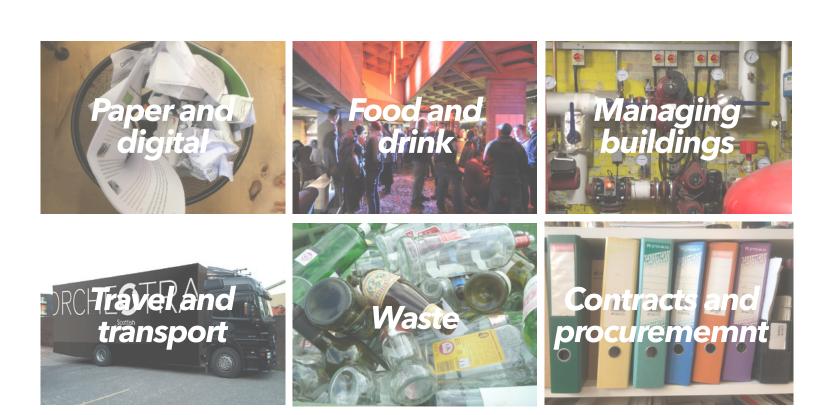








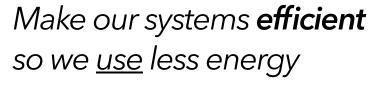
- Reduce how much we use
- Source what we use sustainably
- Reuse or Recycle everything we can



In our BUILDINGS, we need to ...



Insulate so we <u>need</u> less energy









Generate **renewable** energy

Support **biodiversity** and use less **water**

How do we start?

Start with a PRELIMINARY commitment

- Commit to becoming a sustainable theatre-maker
- Form a **Green Team** in your organisation
- Set a timeline to reach the first step, **Basic**

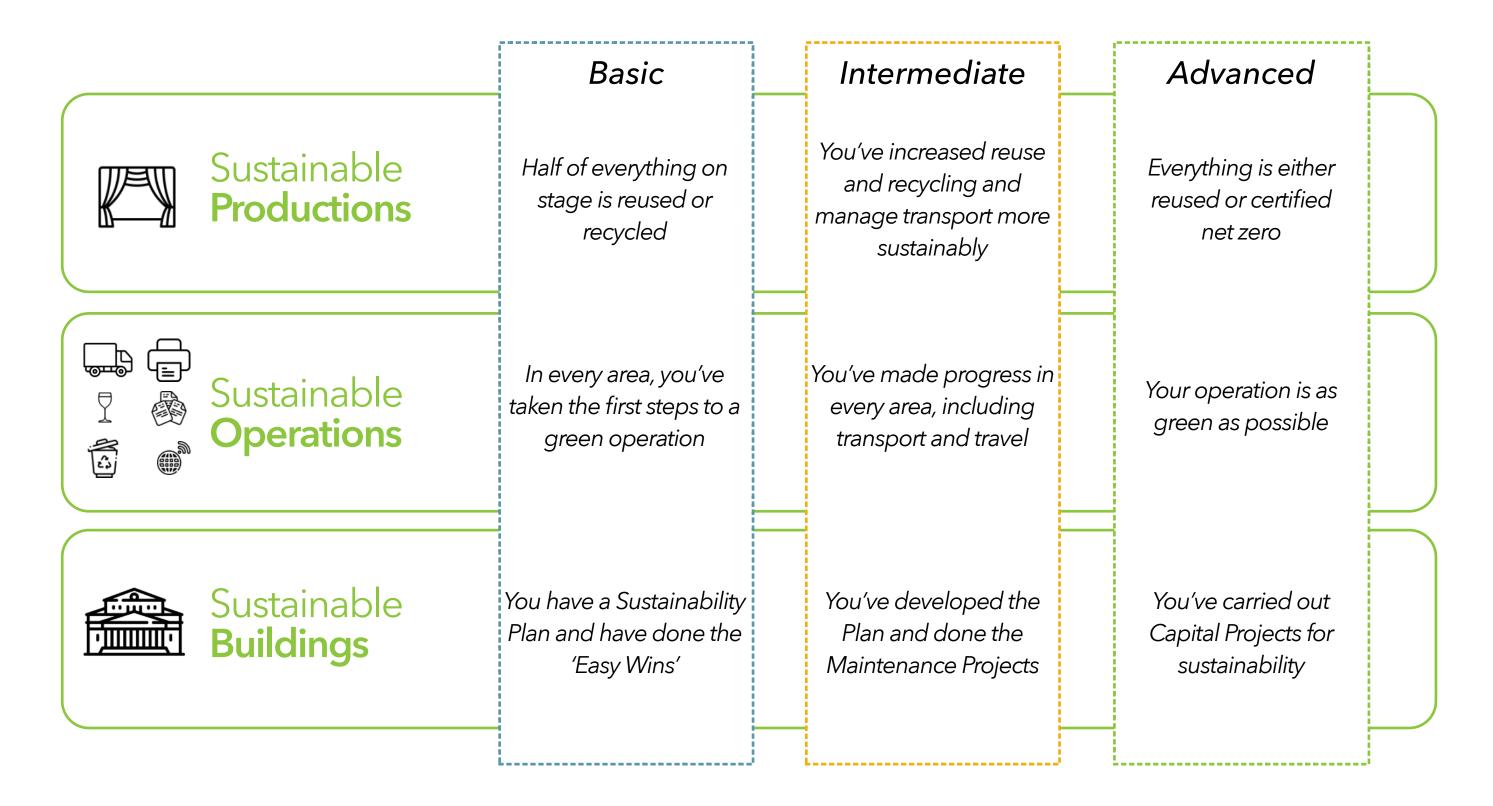
Start with a PRELIMINARY commitment

These are the steps you'll need to reach
Theatre Green Book **Preliminary**

Preliminary

It's essential to make sure your • **COMMIT** to reducing your environmental impact, and starting the environmental commitment is clear to transition to net zero. everyone. Leadership is key but a senior team is • Establish a GREEN COMMITTEE including a sustainability lead, a needed to decide which Theatre Green member of the senior leadership team, and a lead for each area -Book level to target, make change, Productions, Operations and Buildings – and key staff members. involve staff and report progress. You must be clear on the key actions • Agree an ACTION PLAN setting out the steps you need to reach needed to deliver measurable progress the next Green Book stage, and a timescale to achieve it. towards the environmental goal. You need to be in a position to report • Make a DATA PLAN to set out what you are going to measure and and analyse your progress, to achieve who is responsible. each Green Book standard. Sustainability needs a cultural change. • Set a **COMMUNICATIONS PLAN** to explain how you will share your Good communication helps everyone targets and achievements, involving staff, partners and audiences. share the challenge.

BASIC is the next step on the journey to net zero



The next sections show how to reach **Basic** in each area

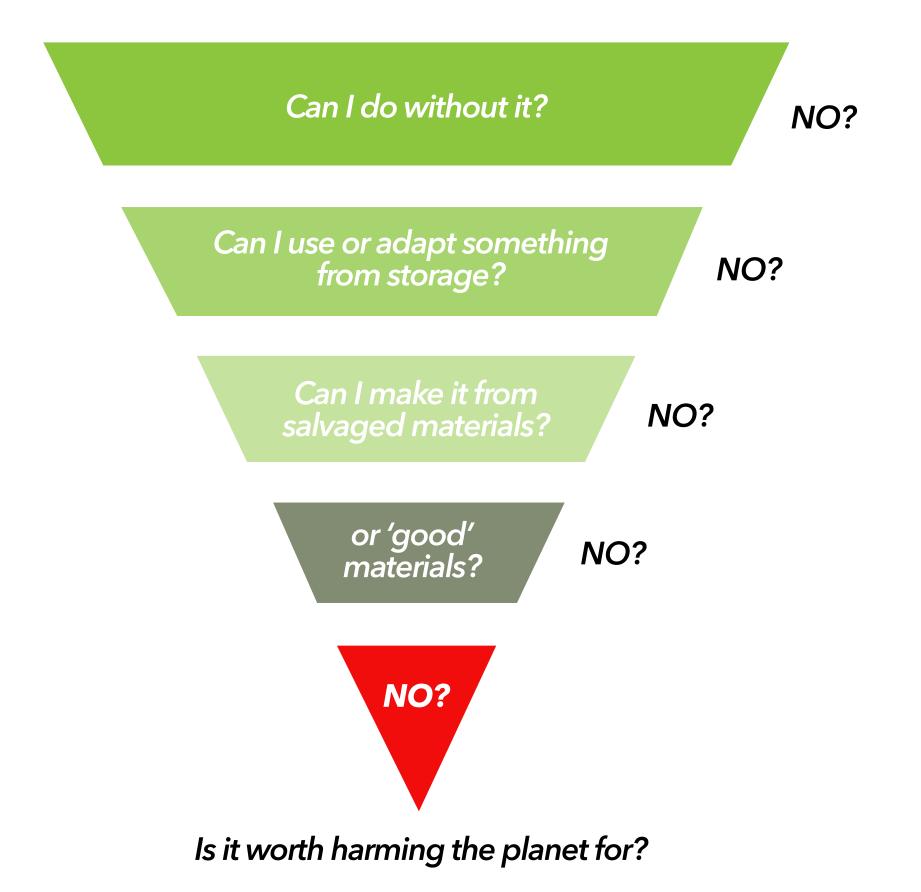
SUSTAINABLE PRODUCTIONS

Click **here** to go straight to **Productions Resources** for:

- Detailed guidance
- The Production Calculator and standards
 - Case studies
 - Toolkit pages

If you don't produce shows, ignore this section

Think differently

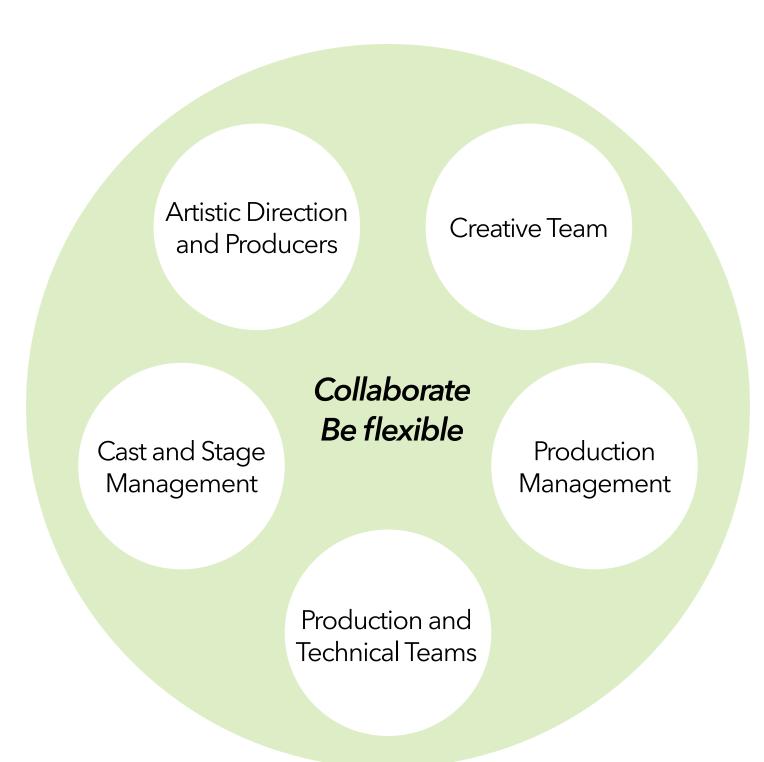


Where do materials come from?

Reused	Masking, floors, building components, scaffold, steeldeck, furniture, props, costumes
Remodelled	Remodelled stairs, flats with new textures, reupholstered chairs, altered costumes
Recycled	Salvaged metal sections, timber, plywood sheets, perspex sheets, salvaged fabric
'Good' new materials	Certified timber and plywood, 'recycled' metal, reconstituted plastics, organic fabrics
'Bad' new materials	Uncertified timber products, new steel and aluminium, PVC, vinyl, man-made fabrics

Using less is the most sustainable choice

Everyone has a part to play



The Life of a Production **Budget and Schedule** Set budgets and schedules to match the time and costs Invitation sustainability needs. Invitation Make the sustainability target & partners part of the creative invitation. Budget & schedule **REUSE /** Induct everyone who joins the **RECYCLING** team. Concept & **Evaluation** development **Key Meetings** Final Disposal Model Establish sustainability meetings to assess and workshop the show. Procurement Tour? & making **Review and Share** Measure outcomes, record results and share lessons learnt. Rehearsal Get-out Induction **The Show** Induct stage management and cast so they can help achieve the standard.

The Creative Challenge Concept Making work sustainably begins with the concept. It can't be an Creativity afterthought. Invitation A sustainable future needs & partners creative thinking. Budget & schedule **REUSE / RECYCLING** Concept & development **Evaluation** Collaboration Work collaboratively with the team to achieve a sustainable outcome. Final Disposal Model Rehearsals Think about sustainability in your rehearsal process. Procurement Tour? & making **Flexibility** Rehearsal Get-out Be open to suggestions that make the show more **The Show** sustainable.

Making and Disposal Time Designing and sourcing sustainably may take more time. Plan for the 'next life' of Invitation each material. & partners Budget & **REUSE /** schedule **RECYCLING** Concept & **Evaluation Collaboration** development Engage with the concept as early as possible, to help find sustainable solutions. Final Disposal Model Workshops Make sure workshops and processes are set up for sustainable making. Procurement Tour? & making After the show Make sure as much as possible gets used again or stored for reuse. Rehearsal Get-out **Materials The Show** Use reused or recycled materials wherever possible. If not, source sustainably.

Touring Transport and travel Plan routes and research transport options, to minimise **Early planning** travel impact. Invitation Set a freight limit for the tour, & partners and include sustainability in Budget & schedule REUSE / partner agreements. **RECYCLING** Concept & **Evaluation** development Final Disposal Model **Local resources** Identify resources available at venues and share with the creative and technical team. Procurement Tour? & making

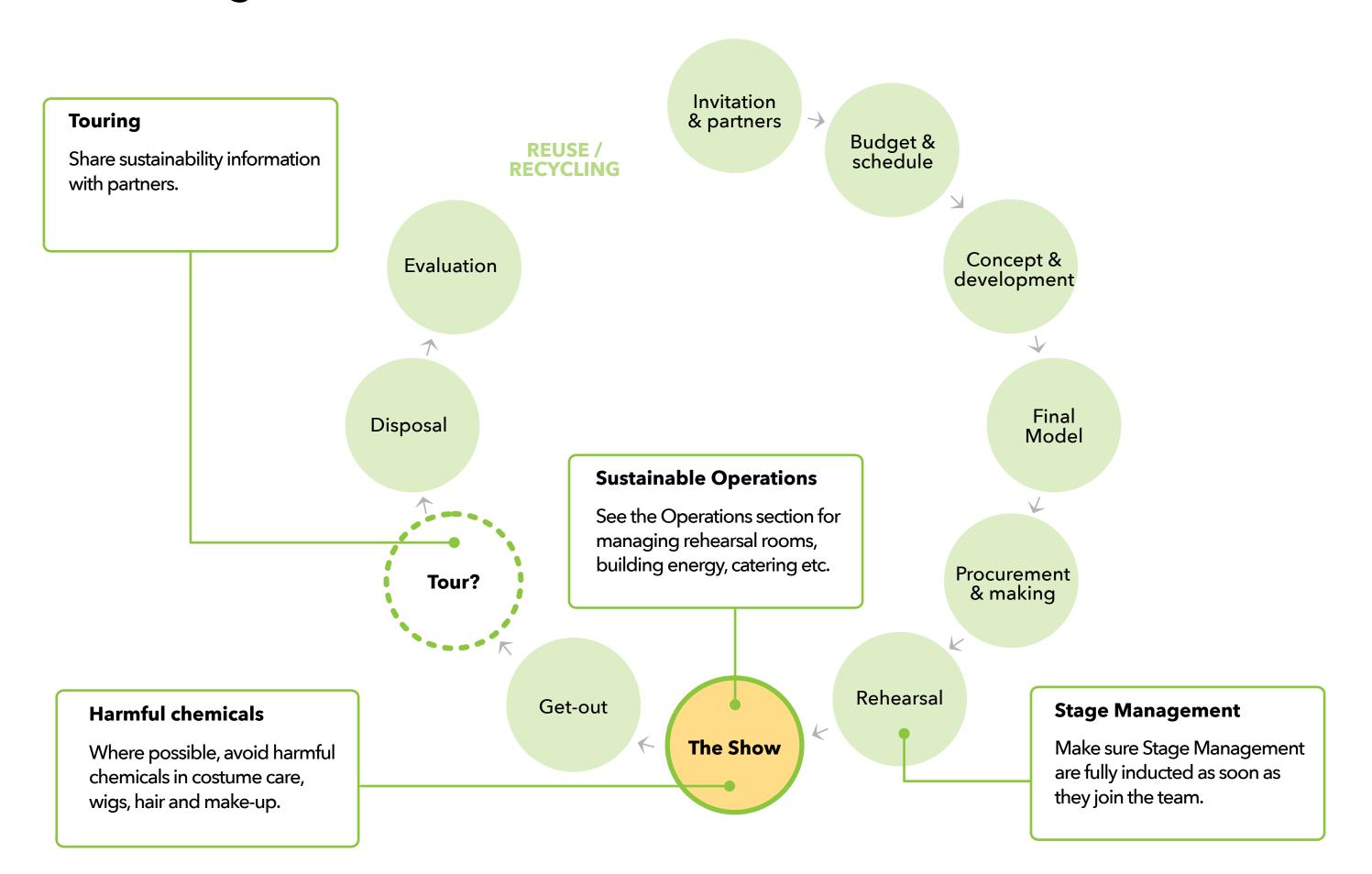
Analyse data

Record travel and transport, and look for ways to improve future tours.

Get-out Rehearsal

Technical Planning Share technical set-up with other shows if at all possible. Invitation & partners Budget & schedule **REUSE / RECYCLING** Maintenance Concept & development Allow time for repair and **Evaluation** maintenance of equipment. Final Disposal Model **Deliveries** Consolidate, to avoid multiple deliveries. Procurement Tour? & making Rehearsal **Standard equipment Routines** Get-out Use standard, reusable Establish energy-efficient **The Show** equipment wherever possible. routines for set-up and during the run.

Running a Production



Basic Production

This is **Basic** standard. It follows the five steps of a production.

In a **Basic** production:

- 50% of everything on stage must be reused or recycled
- 65% must be stored or used again afterwards

The Green Book **Production Calculator** helps you assess percentage of re-use and recycling in each production.

You can download this page with the Production Calculator from **RESOURCES**

Step 1	Prepare for a Sustainable Production	Done? v	, NO or N/A
	oint the team early. Make sure Basic standard is understood. Set a longer programme if dget to spend more on people's time and less on materials.		
for measuring, recor	/ TOURING: Agree how expertise and resources will be shared. Identify responsibilities rding, and sustainable disposal. Establish a haulage limit (e.g. 'one trailer' or 'one transit sic standard in Co-production agreements.		
Step 2	Concept and Development		
	n early concept meeting to collaboratively sense-check ideas. At DEVELOPMENT stage, whole team to achieve a sustainable outcome.		
	/ TOURING: Consider haulage limitations when designing (or when redesigning for a cal specifications are agreed with all receiving venues.		
Step 3	Making a Sustainable Production	•	<u> </u>
	CLING: Keep an inventory of materials: sets and scenery, props and furniture, costumes. ry should have been used previously. 65% should be used again after the show.	Source Disposal	
• NEW MATERIALS : polystyrene where p	: Source new materials sustainably if possible. Avoid PVC, tropical hardwoods and possible.		
• DELIVERIES : Cons	solidate deliveries where possible. Avoid last-minute deliveries where possible.		
Step 4	Rehearsing and Running a Sustainable Production		
• STAGE MANAGEM and can contribute t	IENT and CAST : Make sure cast and stage management understand Baseline standard, to achieving it.		
	re-used or hired equipment where possible. Make a plan to reduce the impact of your echnical departments (see Technical worksheet).		-
• WARDROBE, WIG	S, HAIR, MAKEUP: Avoid harmful chemicals where possible.		
	/ TOURING: Use sustainable transport methods where possible. Choose hin walking distance of venues.	ĺ	
Step 5	After the Production		
• REUSE AND RECYC disposal.	CLING: Check you've achieved the target of 65% reused / recycled for sustainable		
• REVIEW · Assess re	esults. Share lessons learned with future teams.		

Intermediate Production

This is **Intermediate** standard.

In an **Intermediate** production:

- 60% of everything on stage must be reused or recycled
- 70% must be stored or used again afterwards

• PRODUCING: Provide an information pack of in-house and local resources to support sustainability. Offer climate literacy training to key team members, including freelancers. CO-PRODUCTION / TOURING: Agree a Green Contract Rider with receiving venues (see Toolkit), including resources available. Review sustainable haulage options. Step 2 **Concept and Development** • CONCEPT and DEVELOPMENT: Connect with productions in the same season to SHARE and REUSE materials. • CO-PRODUCTION / TOURING: Minimise business travel. Record all journeys. Technical design to use local resources where possible. Step 3 **Making a Sustainable Production** REUSE AND RECYCLING: Keep an inventory of materials: sets and scenery, props and furniture, costumes. 60% of each category should have been used previously. 70% should be used again after the show. Disposal • NEW MATERIALS: Source all new materials sustainably. Avoid PVC, tropical hardwoods and polystyrene where possible. • **DELIVERIES**: Record deliveries related to the production. **Rehearsing and Running a Sustainable Production** Step 4 • STAGE MANAGEMENT and CAST: Use the Toolkit to make a Sustainability Plan for the rehearsal / production period and run. • TECHNICAL: Begin to implement your plan to reduce the impact of your practice across all technical departments (see Technical worksheet). • WARDROBE, WIGS, HAIR, MAKEUP: Source sustainable products where possible. Minimise laundry cleaning temperatures. Avoid dry cleaning where possible. • CO-PRODUCTION / TOURING: Record travel distance and transport methods. Choose accommodation with green accreditation. **After the Production** Step 5 • REUSE AND RECYCLING: Check you've achieved the target of 70% reused / recycled for sustainable disposal. REVIEW: Assess results. Share lessons learned with future teams.

Prepare for a Sustainable Production

Step 1

You can download this page with the Production Calculator from **RESOURCES**

Done? V. NO or N/A

Advanced Production

This is **Advanced** standard.

In an **Advanced** production:

- Everything on stage must be reused or recycled, or ...
- Accredited net zero

You can download this page with the Production Calculator from **RESOURCES**

Step 1	Prepare for a Sustainable Production	Done? V, NO or N/A
	ARBON CALCULATORS (included in Production Calculator) to aid decision-making on s and travel. Encourage the creative team and cast to promote the production's	
• CO-PRODUCTION / T Only co-produce with only co-pr		
Step 2	Concept and Development	
CONCEPT and DEVE	LOPMENT: Use MODULAR COMPONENTS where possible to support recycling.	
	FOURING : Calculate the carbon footprint of TRAVEL and TRANSPORT , to help plan esources where they support reductions.	
Step 3	Making a Sustainable Production	
REUSE AND RECYCLING: 75% of materials should have been used previously. 80% should be used again		Source
after the show. Make	ter the show. Make sets for easy disassembly to support recycling.	
	source all new materials from accredited zero carbon sources. Completely avoid PVC, plystyrene and harmful chemicals.	
• DELIVERIES : Calcula	ate the carbon footprint of deliveries, to help plan reductions.	
Step 4	Rehearsing and Running a Sustainable Production	
• STAGE MANAGEMENT period and run.	NT and CAST: Fully implement a Sustainability Plan for the rehearsal / production	
• TECHNICAL : Fully im departments (see Tech	aplement your plan to reduce the impact of your practice across all technical hnical worksheet).	-
• WARDROBE, WIGS,	HAIR, MAKEUP: Completely avoid harmful chemicals and materials.	
	rouring: Calculate the carbon footprint of tours, to help minimise and offset and highlight blockers to sustainability.	
Step 5	After the Production	
	ING: Check you've achieved the target of 80% reused / recycled for sustainable esidual waste is sustainably disposed of.	
• REVIEW : Assess resu	ults. Share lessons learned with future teams.	

Go to PRODUCTIONS RESOURCES

- for ... Detailed Guidance
 - The Production Calculator and downloadable standards
 - Case studies
 - Toolkits

Go to **Productions** resources

SUSTAINABLE OPERATIONS

Click <u>here</u> to go straight to **Operations Resources** for:

- Detailed guidance
- The Operations Tracker and standards
 - Case studies
 - Toolkit pages

Establish a green structure for your organisation

Leadership

Sets **clear goals** and empowers everyone to change what they do

Green Team

Co-ordinates actions, agrees **targets**, and **records** progress

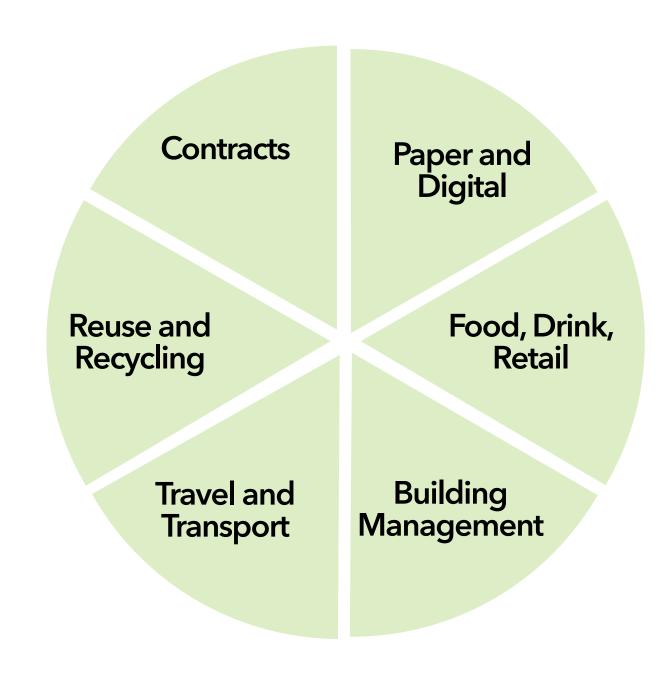
Everyone

Shares **expertise**, provides **feedback** and implements **actions**

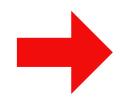
Communicate
targets and
achievements

Be methodical

Don't waste time on things you can't control.



PreliminaryCommit



Basic

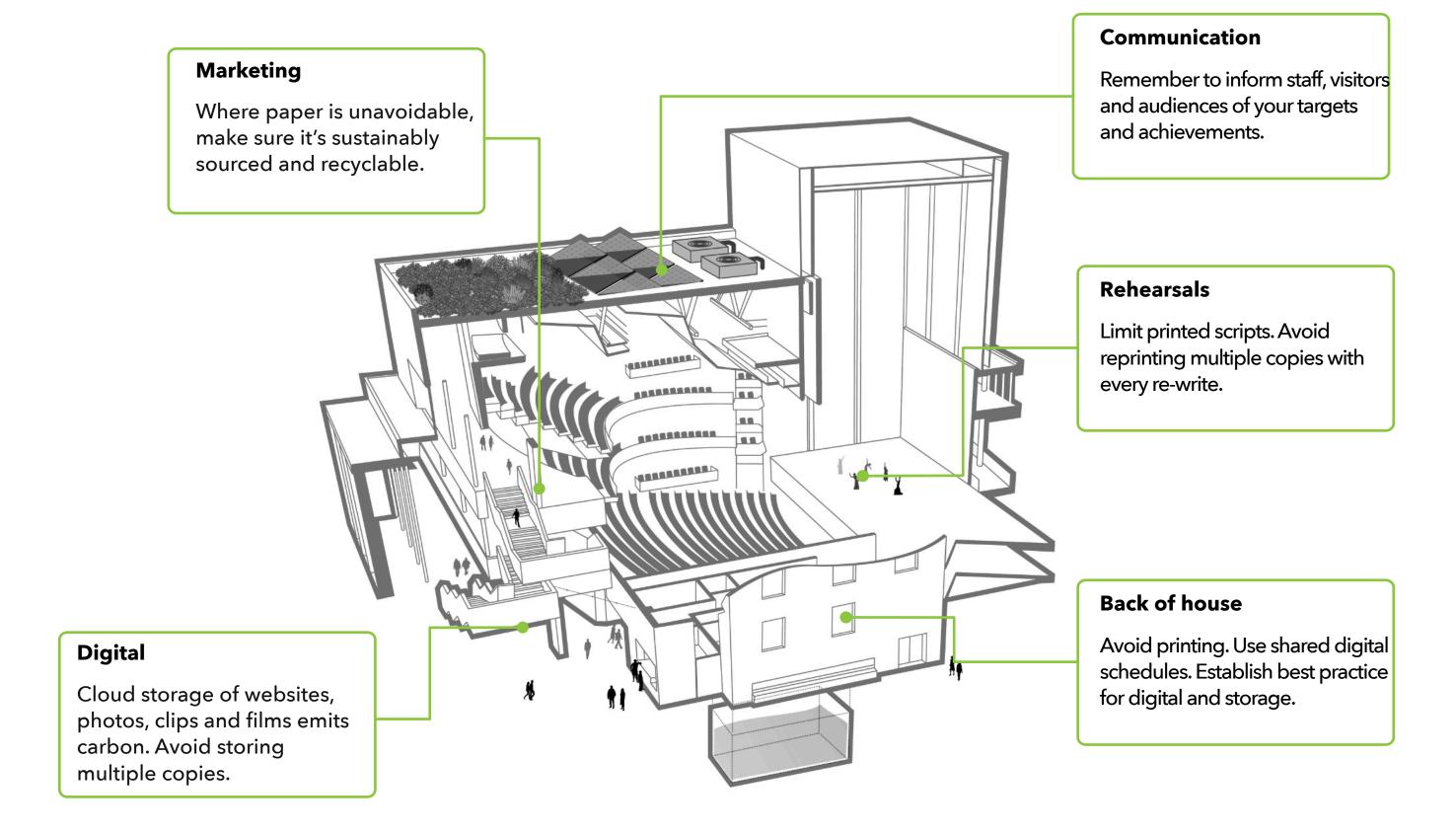
First steps

Intermediate

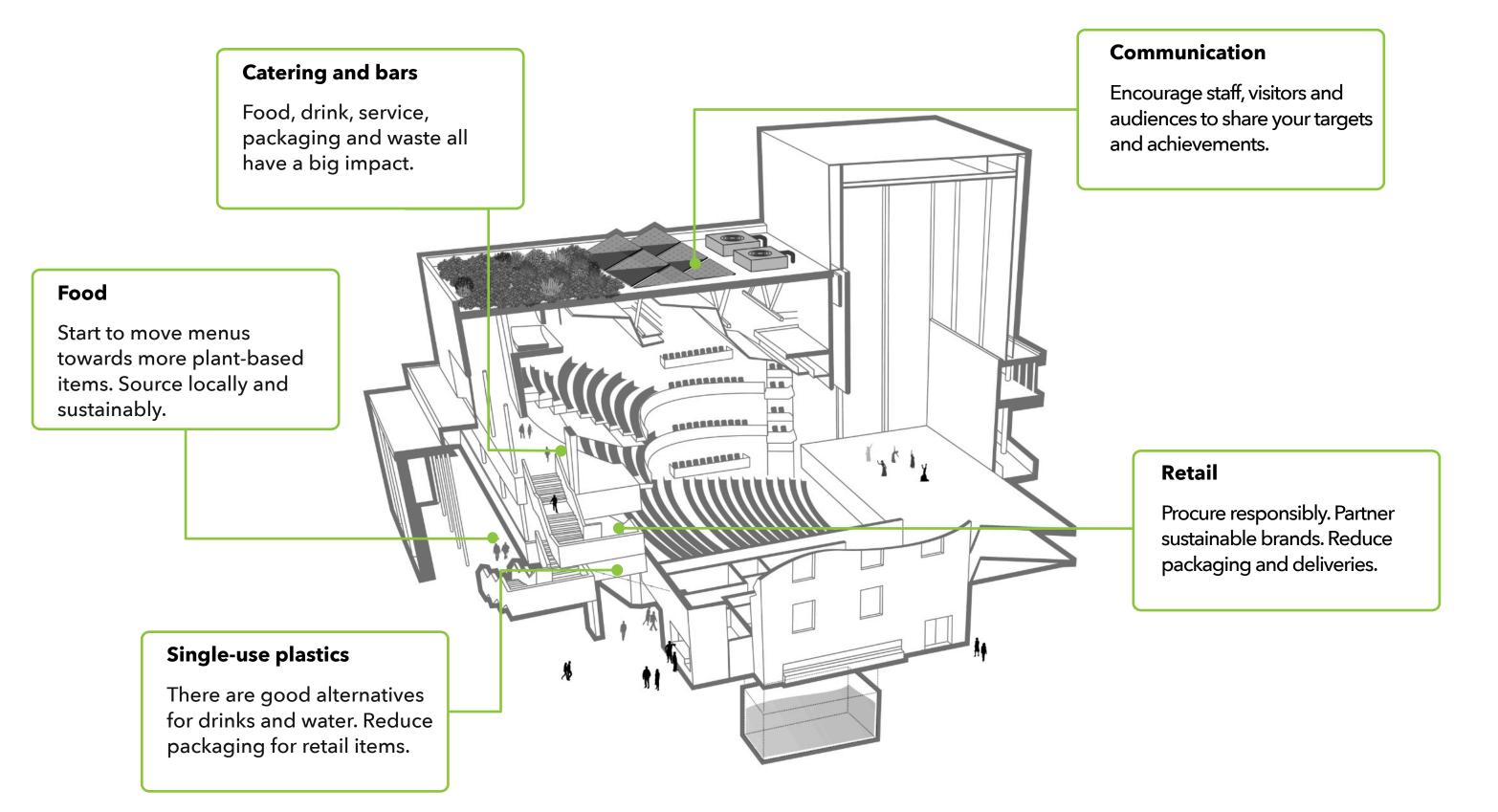
Development

AdvancedSustainable operations

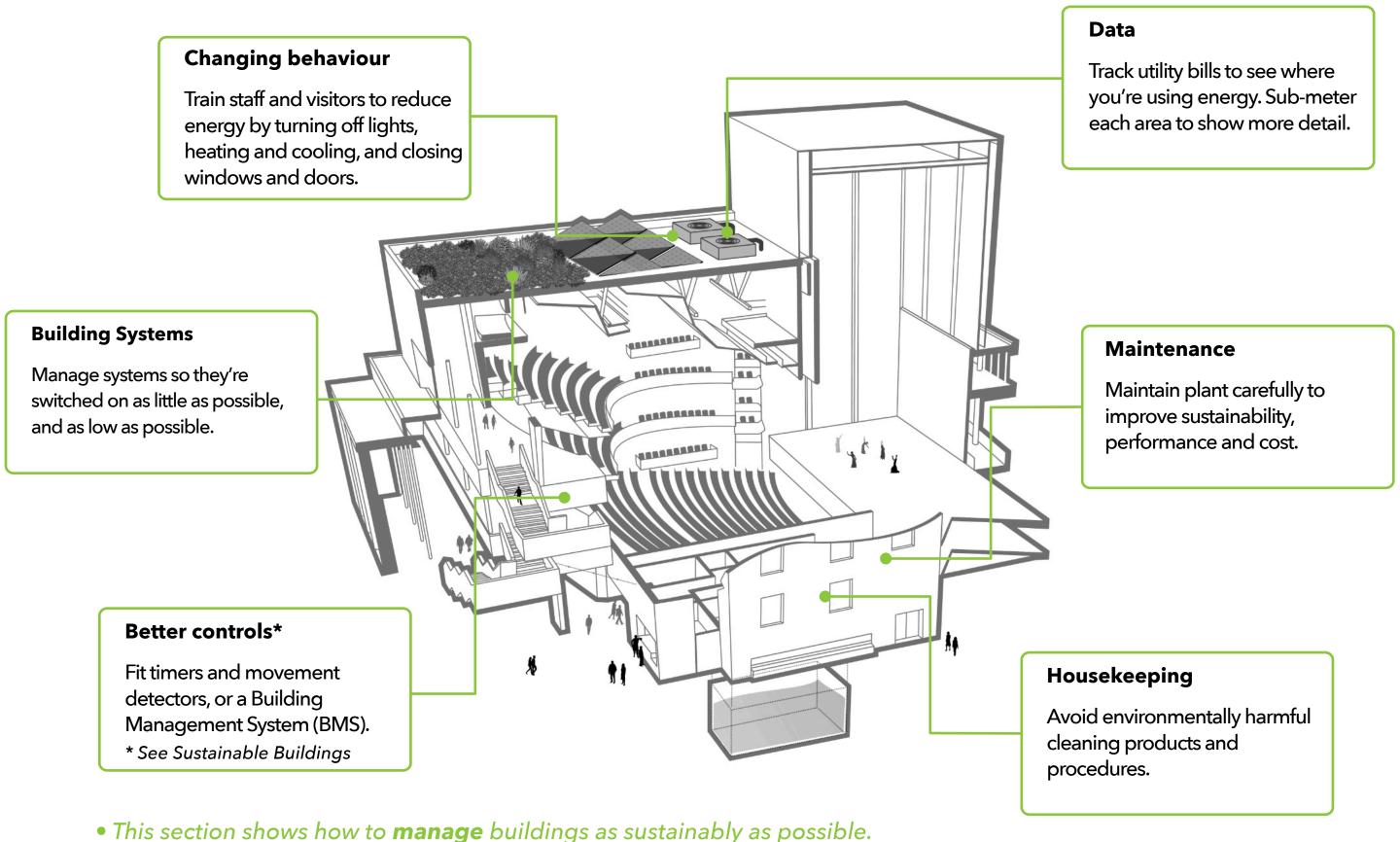
Paper and digital



Food, drink, retail

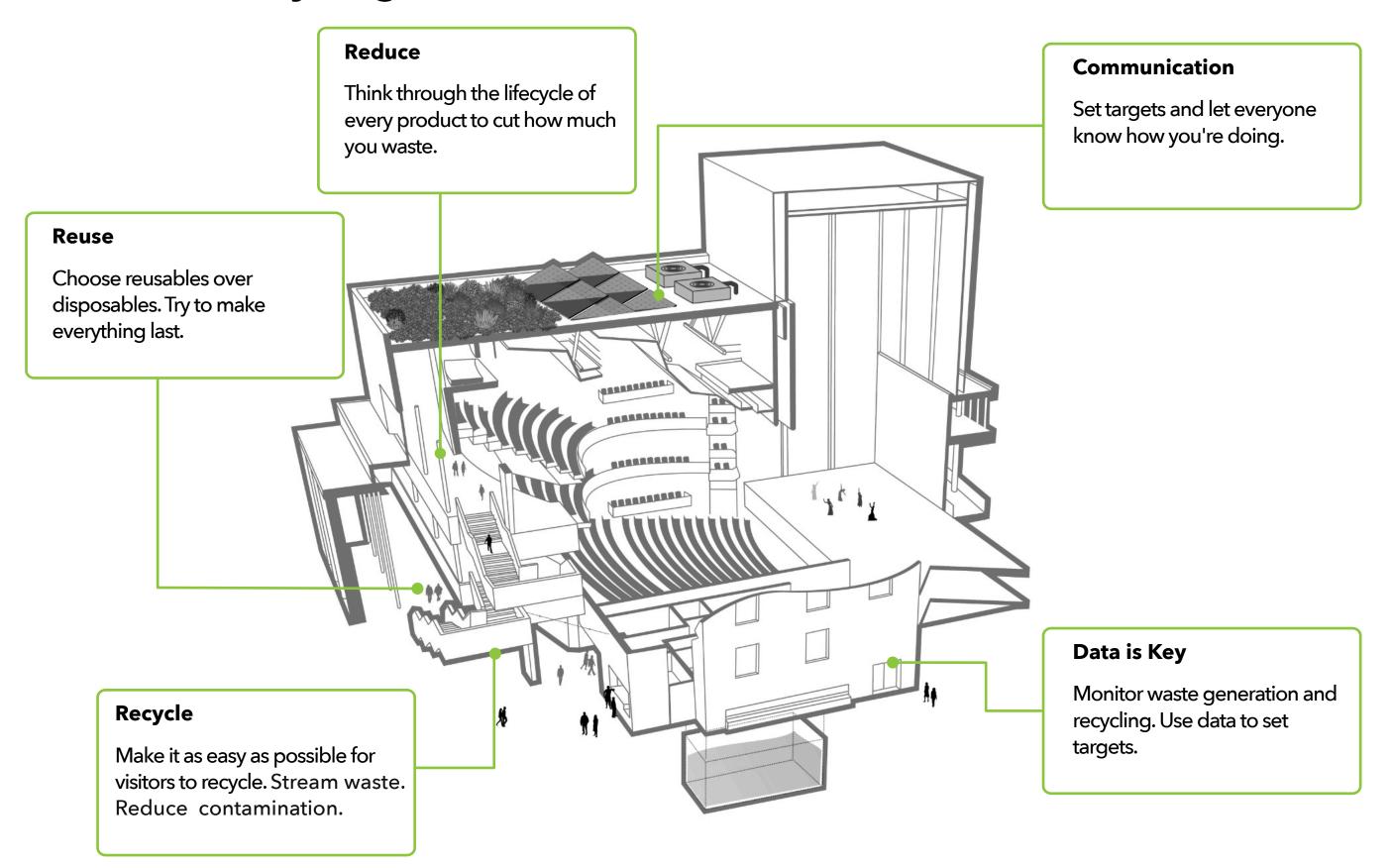


Managing the building

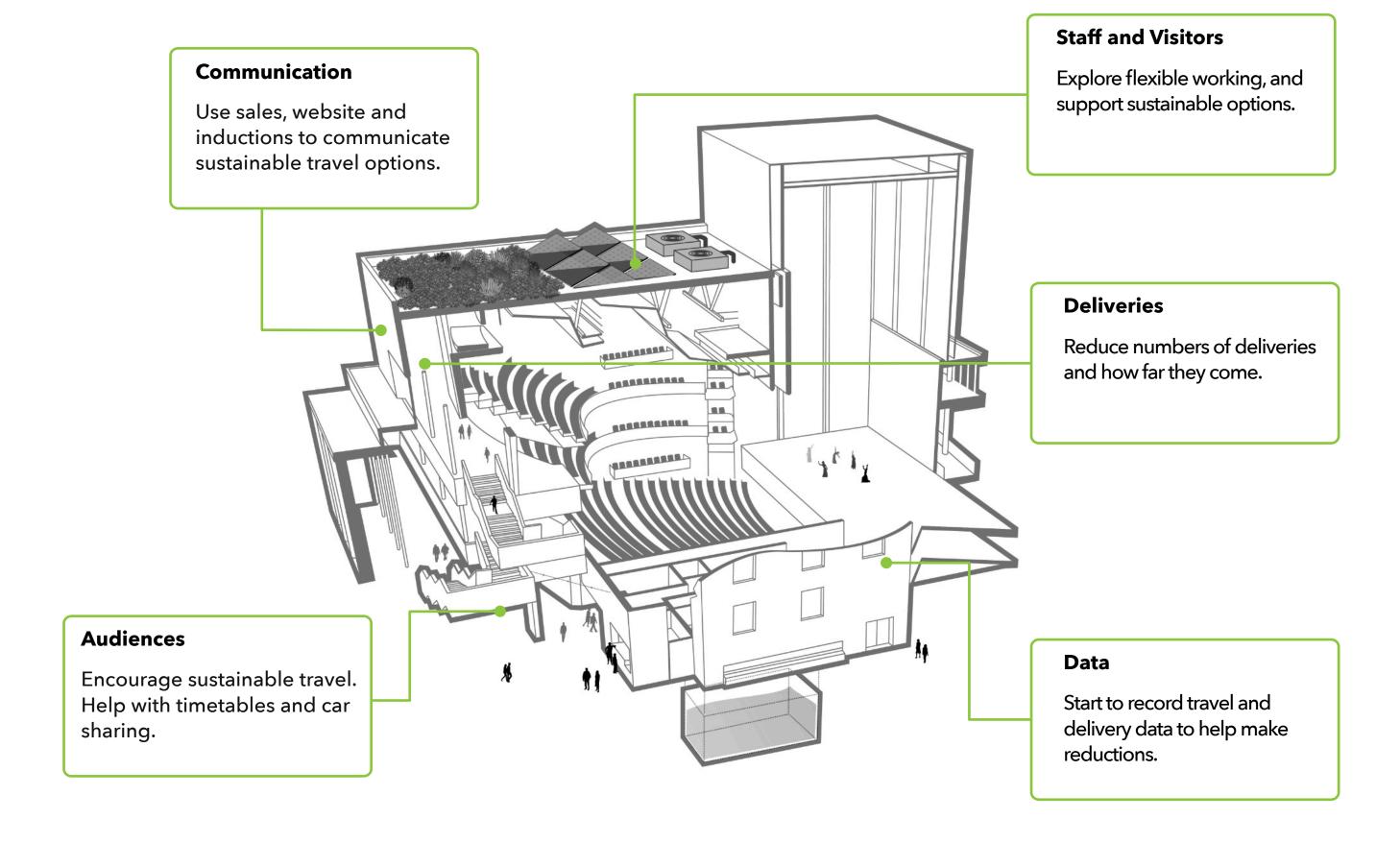


- The next, 'Sustainable Buildings', shows how to upgrade them to make them more sustainable.

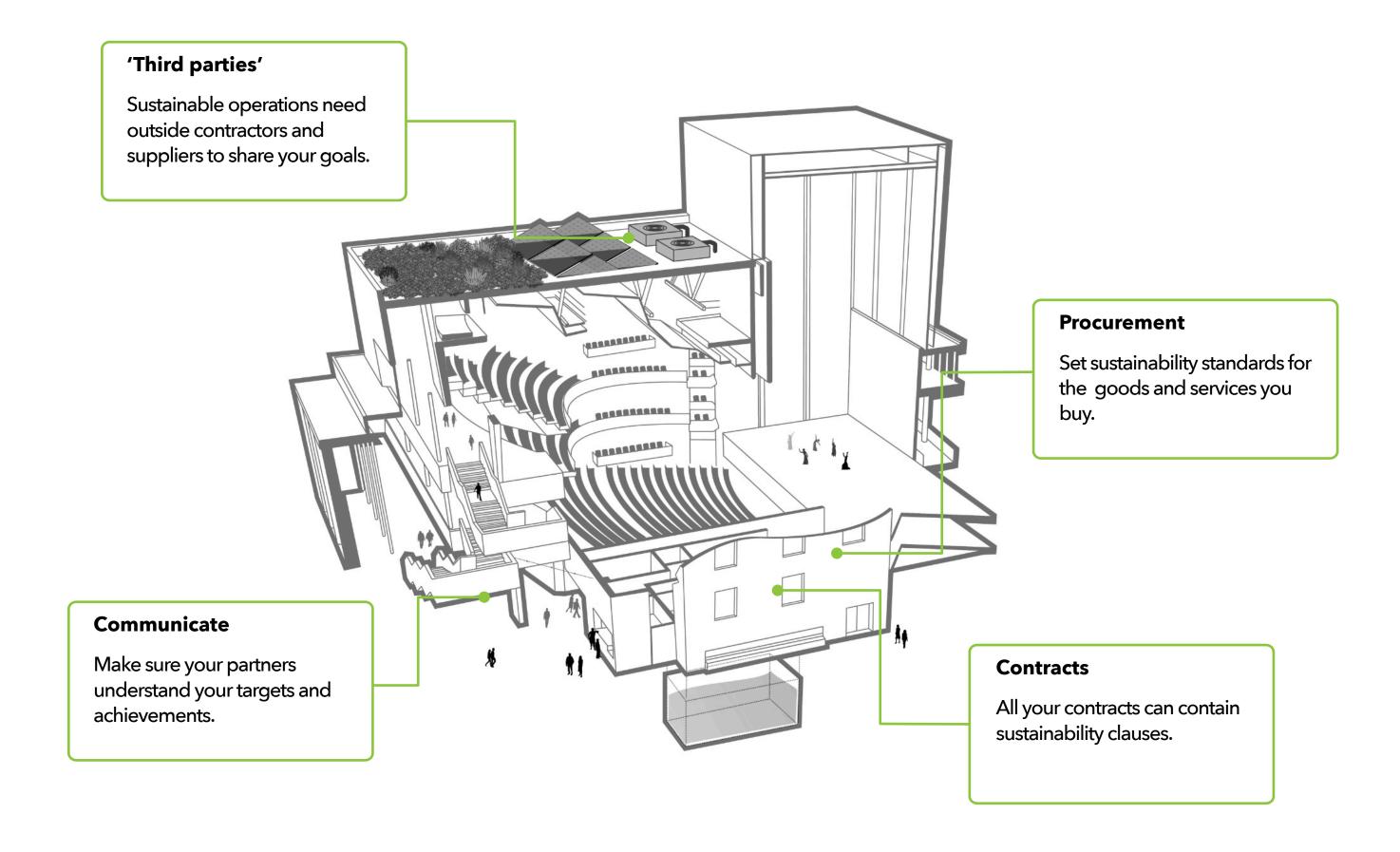
Reuse and recycling



Travel and transport



Contracts and procurement



Basic Operation

To reach **Basic** in your operations:

- Plan for a Sustainable Organisation
- Reach **Basic** in at least four of the six areas (steps 2 to 7)

The Green Book **Operations Tracker** helps you assess your progress in each area.

You can download this page with the Operations Tracker from **RESOURCES**

Step 1 Plan for a Sustainable Organisation

• Establish a **GREEN COMMITTEE** and staff sustainability network. Set a timescale to achieve Basic standard.

• **COMMUNICATE** your Sustainability goals and systems, to staff, visitors and the public. **ENGAGE** your audiences on the journey.

Step 2 Managing Paper and Digital

• Make a plan and timetable to **REDUCE PAPER** and switch to digital alternatives for tickets, documents etc.

• Make a plan and timetable to make **DIGITAL SYSTEMS** (e.g. websites and emails) sustainable.

Step 3 Managing Food, Drink and Retail

 Make a plan and timetable to manage FOOD AND DRINK outlets sustainably. If you have a restaurant or staff canteen, make 20% of starters & mains vegetarian or vegan.

• Make a plan and timeable to reduce SINGLE-USE PLASTICS in your Front and Back of House operations.

Step 4 Managing Buildings

• RECORD energy readings every month.

• TRAIN staff and visitors in energy-saving behaviour. Set CONTROLS (timers and thermostats) to minimise energy use.

Step 5 Managing Waste

• Separate WASTE between recycling and general waste and measure both.

Step 6 Managing Travel and Transport

• Provide STAFF, ARTISTS, VISITORS and AUDIENCES with information on sustainable transport options.

Record BUSINESS TRAVEL, using the Travel Calculator.

• Prepare a DELIVERIES PLAN to consolidate and reduce deliveries, and share it with every department.

Step 7 Contracts and Procurement

• Include sustainability criteria in **PROCURING** major suppliers and contractors. Include Sustainability standards in major **CONTRACTS**.

fills in spreadsheet



























Intermediate Operation

To reach **Intermediate** in your operations:

- **Develop** your Sustainable Organisation
- Reach Intermediate in at least four of the six areas (steps 2 to 7)

Plan for a Sustainable Organisation fills in spreadsheet • Arrange CLIMATE LITERACY TRAINING for at least 25% of staff. Set a timescale to achieve Intermediate standard. • COMMUNICATE your Theatre Green Book experience to other theatres. **Managing Paper and Digital** Step 2 Implement your plan to REDUCE PAPER and switch to sustainable printing. Implement your plan to make DIGITAL SYSTEMS sustainable. Managing Food, Drink and Retail • Implement your plan to manage FOOD AND DRINK outlets sustainably. If you have a restaurant or staff canteen, make 20% of starters and mains plant-based. • Implement your plan to reduce SINGLE-USE PLASTICS from your Front and Back of House operations. **Managing Buildings** Step 4 Make a FULL ANALYSIS of energy use in each part of the building. • Make a PLAN for further reductions in energy use, using the findings of the analysis. Step 5 **Managing Waste** • Eliminate waste to landfill. Make a plan to reduce WASTE and increase RECYCLING, to make sure you stream waste as much as your waste collector allows. **Step 6** Managing Travel and Transport • Survey AUDIENCES to find out how they travel. Make a SUSTAINABLE TRAVEL PLAN, including a limit on AIR TRAVEL. • Implement your DELIVERIES PLAN to reduce the annual carbon footprint of deliveries. **Contracts and Procurement**

• Make a SUSTAINABLE PROCUREMENT POLICY to define standards and requirements for all major

suppliers and contractors, and share with all relevant departments.

You can download this page with the Operations Tracker from **RESOURCES**

Advanced Operation

To reach **Advanced** in your operations:

- **Develop** your Sustainable Organisation
- Reach **Advanced** in all areas

NOTE

Asa minimum, publish your carbon footprint using the Theatre Green Book tools, to include:

- Significant new materials in productions (steel, aluminium, timber)
- Travel (touring, deliveries, businesstravel)
- Building energy use

You may also use general calculators (e.g. Julie's Bicycle), but make sure you use the same method every year

You can download this page with the Operations
Tracker from **RESOURCES**

Step 1 Plan for a Sustainable Organisation

• Arrange CLIMATE LITERACY TRAINING for at least 75% of staff. Offer training to freelance partners. Set a timescale to achieve Advanced standard.

• PUBLISH your carbon footprint (see note below) every year.

Step 2 Managing Paper and Digital

Complete your plan to REDUCE PAPER and switch to sustainable printing.

• Complete your plan to make **DIGITAL SYSTEMS** sustainable.

Step 3 Managing Food, Drink and Retail

• Complete your plan to manage **FOOD AND DRINK** outlets sustainably. If you have a restaurant or staff canteen, make **75**% of all menu items plant-based.

• Complete your plan to reduce **SINGLE-USE PLASTICS** from your Front and Back of House operations.

Step 4 Managing Buildings

• Switch to a **GREEN ENERGY SUPPLIER** if possible.

• Implement your PLAN for energy reductions.

Step 5 Managing Waste

Complete the plan to minimise WASTE and maximise RECYCLING.

Step 6 Managing Travel and Transport

• Incentivise **AUDIENCES** to travel sustainably.

• Implement your SUSTAINABLE TRAVEL PLAN to minimise the carbon footprint of your buisness travel.

Minimise the carbon footprint of your DELIVERIES.

Step 7 Contracts and Procurement

• Require all major suppliers and contractors to comply with **KEY PERFORMANCE INDICATORS** for sustainability.

fills in spreadsheet

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Go to OPERATIONS RESOURCES

- for ... Detailed Guidance
 - The Operations Tracker and downloadable standards
 - Case studies
 - Toolkits

Goto **Operations** resources

SUSTAINABLE BUILDINGS

Click <u>here</u> to go straight to **Buildings Resources** for:

- Detailed guidance
- The Building Survey Tool and downloadable standards
 - Case studies
 - Toolkit pages

If you don't have a building, ignore this section

Theatre buildings emit a lot of carbon

- The previous section, Sustainable Operations, shows how to **manage** buildings as sustainably as possible.
- This section shows how to **upgrade** buildings to make them more sustainable.
- Sustainable buildings **cost less** to run.

These are the priorities, in order:

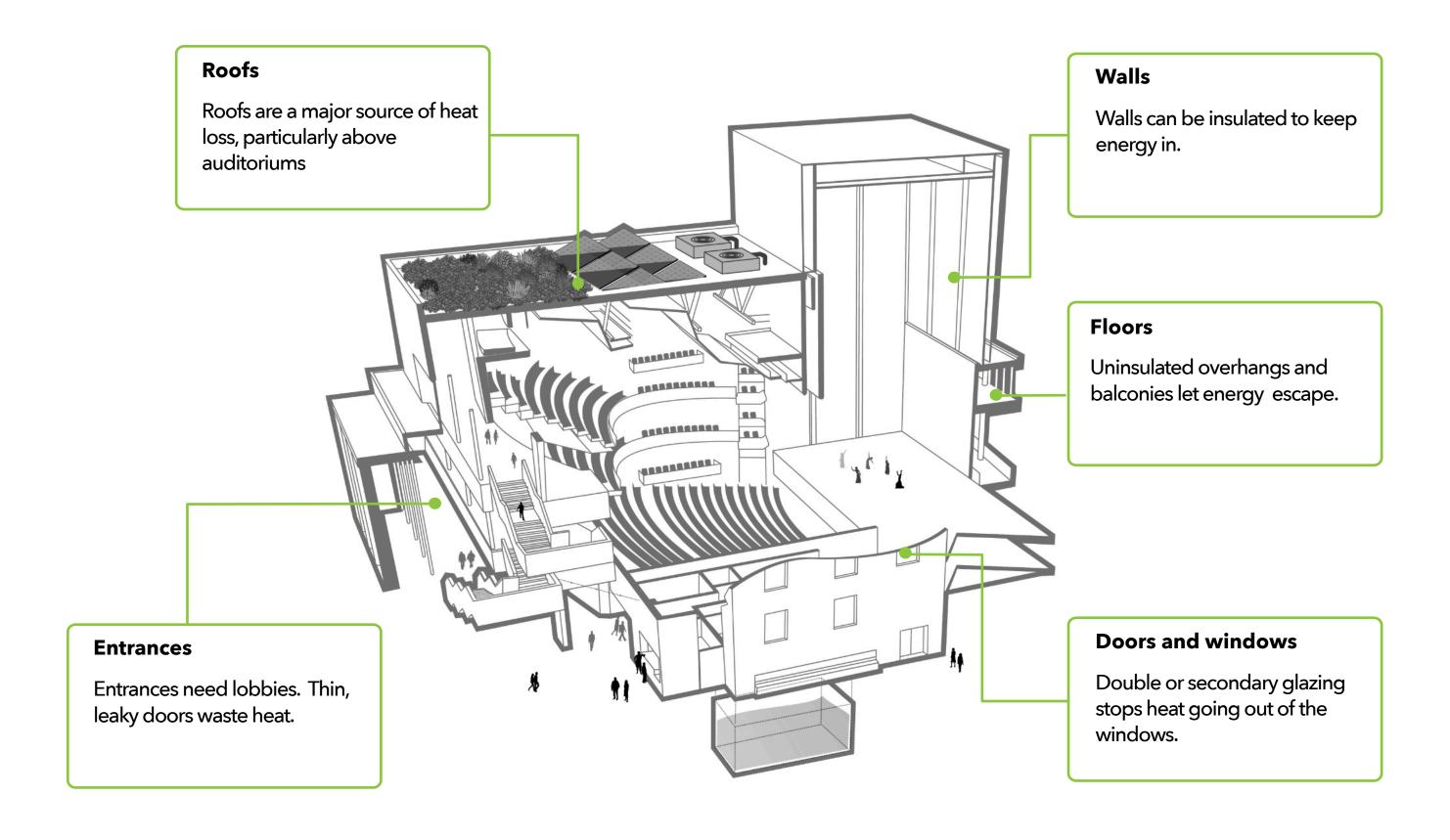
Insulation Roofs, walls and windows ... so your building **needs** less energy

Efficiency Efficient plant and good controls ... so your building **uses** less energy

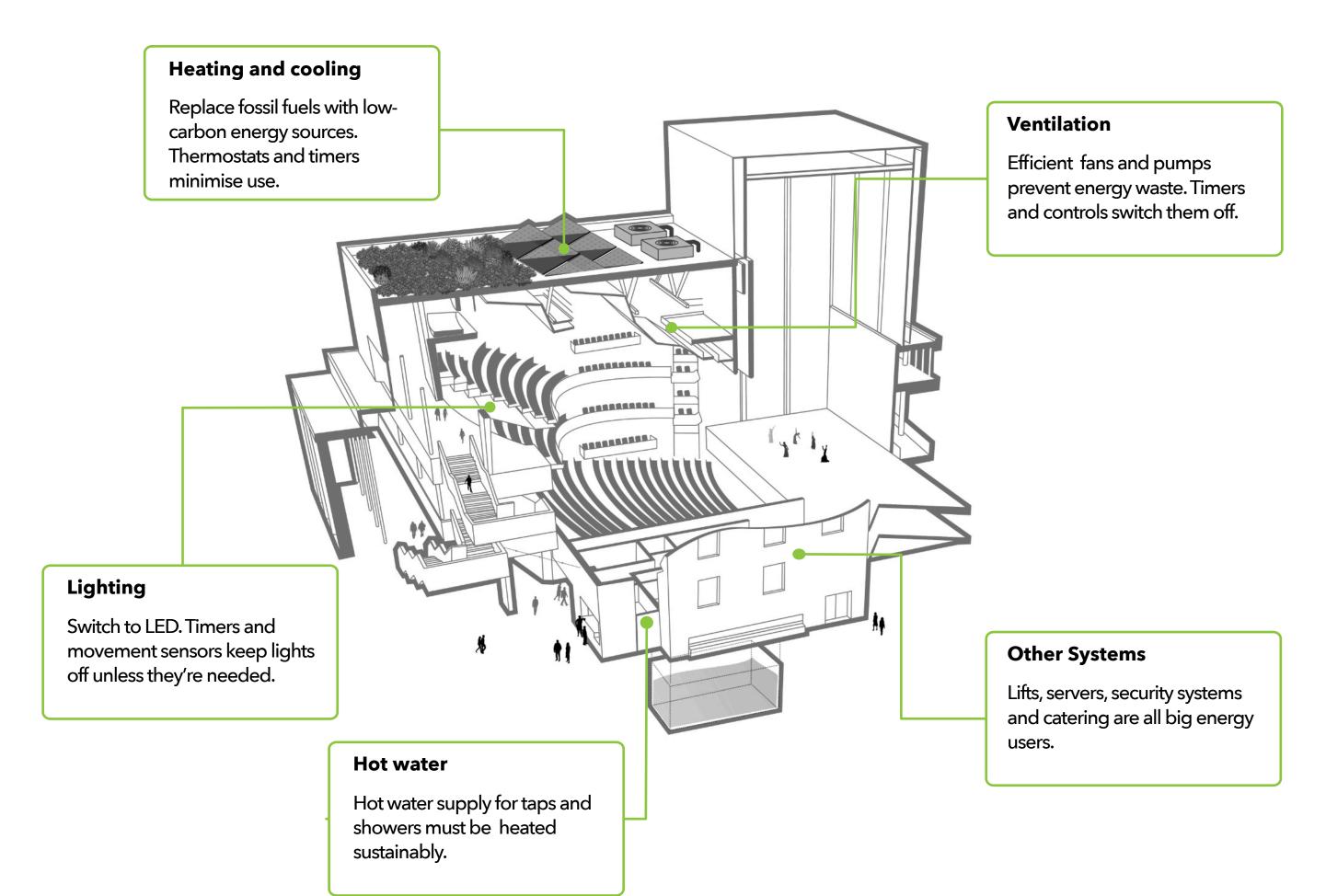
Renewables So you generate **renewable** energy

Biodiversity (and use less water)

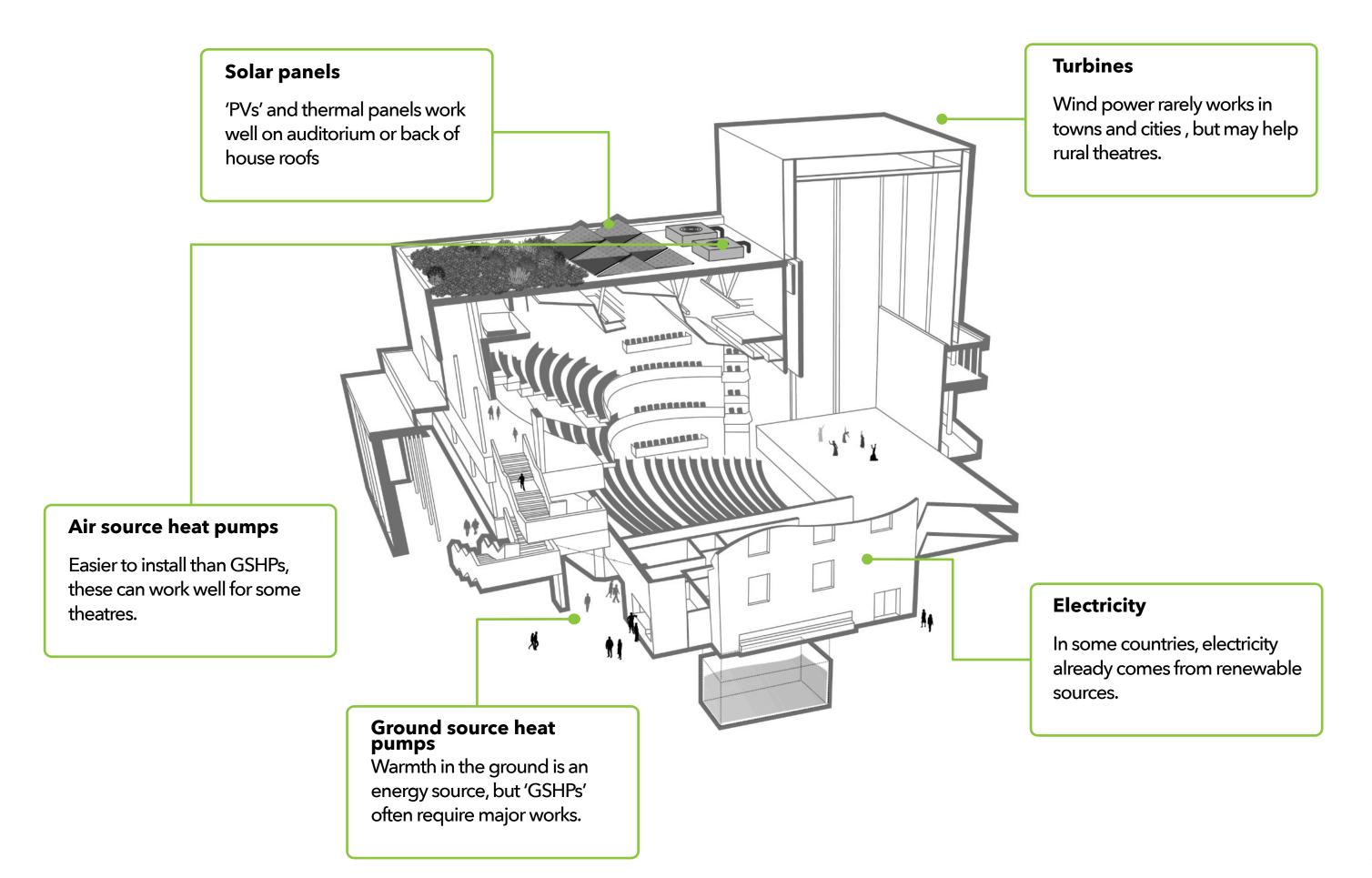
Insulation (so you <u>need</u> less energy)



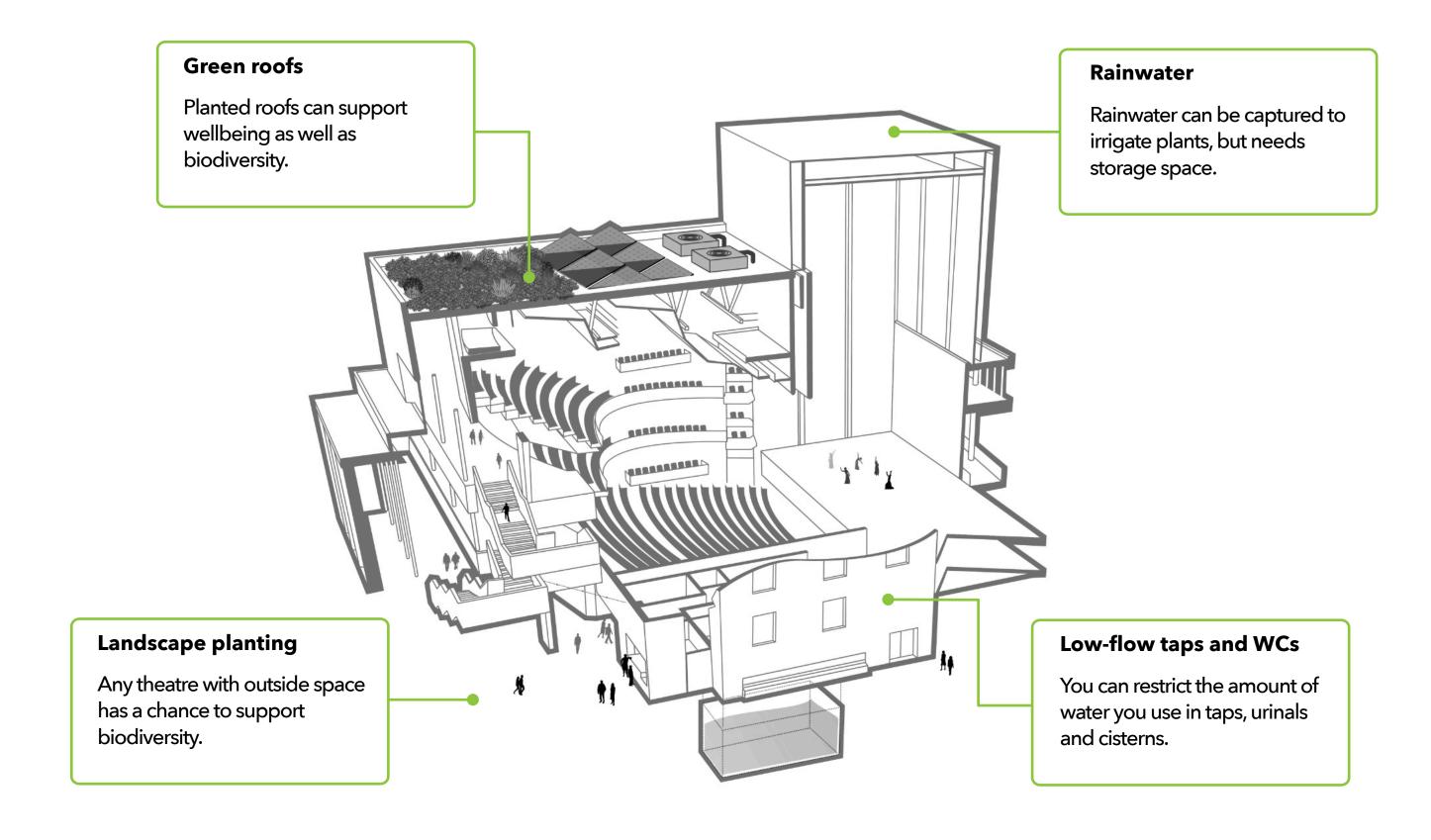
Efficiency (so you <u>use</u> less energy)



Renewables (make your own energy)



Support biodiversity and use less water



Make a Sustainability Plan

Intermediate Advanced Basic Easy Wins **Capital Projects** Maintenance Insulation **Projects** • Make a • Get • Build a Team **Professional** Sustainability and plan Advice. long-term. Plan. Efficiency • Carry out any • Carry out any • Carry out any Capital Projects that need Easy Wins that Maintenance cost little and are **Projects** you can do progressively each year with medium easy to do. financial investment and Renewables investment. planning permissions. **Biodiversity**

Sustainability cuts energy costs

If you don't own your building:

- Create a **Sustainability Plan**
- Share it with the **Building Owner**

Basic

Low cost

Saves money through energy savings

Intermediate

Medium cost

Saves money through energy savings

Advanced

High cost

Saves money longterm, but needs major investment through:

- Subsidy
- Fundraising
- Energy contracting

Basic Building

To reach **Basic** for your building:

- Make a **Sustainability Plan**
- Put in hand the **Easy Wins**

The **Building Survey Tool** helps you start a Sustainability Plan. Answer questions about your building. It will help you divide actions into

- Easy Wins
- Maintenance Projects
- Capital Projects

It will put them in order of priority, and suggest where you need professional advice.

You can download this page with the Building Survey Tool from **RESOURCES**

Step 1	Plan for a Sustainable Building	Done? V, NO or N/A
• Prepare a	Sustainability PLAN, identifying Easy Wins, Maintenance projects and Capital Projects	
• Gather IN	IFORMATION. Record energy use monthly.	
Step 2	Insulation: so your building needs less energy	
• Identify E	asy Wins (if any) to insulate ROOFS, balconies and WALLS. Put them in hand and list next steps.	
• Identify E	asy Wins (if any) to upgrade DOORS and WINDOWS. Put them in hand and list next steps.	
Step 3	Efficiency: so your building uses less energy	
	you can about your HEATING AND COOLING system(s). Identify Easy Wins (e.g. better timers, s and controls). Put them in hand and list next steps.	
· ·	our LIGHTING systems and how they're controlled. Identify Easy Wins (e.g. movement detectors Put them in hand and list next steps.	
	you can about your HOT WATER system(s). Identify Easy Wins (e.g. better timers, thermostats s). Put them in hand and list next steps.	
	you can about your VENTILATION system(s). Identify Easy Wins (e.g. better timers and CO2 Put them in hand and list next steps.	
	you can about OTHER SYSTEMS (lifts, servers, security, catering equipment, electrical appliances fy Easy Wins . Put them in hand and identify next steps.	
Step 4	Renewables: so you make your own energy	
	RENEWABLE energy generation systems (Solar panels, Photovoltaic ('PV') cells or (more rarely) es). Identify next steps.	
• Research	HEAT PUMPS as a replacement for boilers and chillers. Identify next steps.	
• Switch to	a green ELECTRICITY supplier if possible.	
Step 5	Support Biodiversity and use less water	
• Install PLA ROOFS.	ANTERS around your building, where possible. Identify opportunities for new planting, or GREEN	
• Install but	ets to collect RAINWATER , where possible.	

Intermediate Building

To reach **Intermediate** for your building:

- Develop your **Sustainability Plan**
- Put in hand the **Maintenance Projects**

You can download this page with the Building Survey Tool from **RESOURCES**

Step 1 Plan for a Sustainable Building	Done? V, NO or N/A
• Develop the Sustainability PLAN with professional advice. Complete the Easy Wins and put in hand the Maintenance Projects.	
Where possible, install SUB-METERS to show clearly where energy is being used.	
Step 2 Insulation: so your building needs less energy	
• Identify Maintenance Projects (if any) to insulate ROOFS, balconies and WALLS. Put them in hand and list next steps.	
• Identify Maintenance Projects (if any) to upgrade DOORS and WINDOWS. Put them in hand and list next steps.	
Step 3 Efficiency: so your building uses less energy	
• Identify Maintenance Projects for your HEATING AND COOLING system(s), and put them in hand.	
• Identify Maintenance Projects for your LIGHTING system(s), and put them in hand.	
• Identify Maintenance Projects for your HOT WATER system(s), and put them in hand.	
• Identify Maintenance Projects for your VENTILATION system(s), and put them in hand.	
Identify Maintenance Projects for your OTHER SYSTEMS, and put them in hand.	
Step 4 Renewables: so you make your own energy	
Get professional advice to confirm feasibility of RENEWABLE energy systems. Identify next steps.	
• Get professional advice to confirm feasibility of HEAT PUMPS as a replacement for boilers and chillers. Identify next steps.	
Identify systems you could switch from fossil fuels to ELECTRICITY.	
Step 5 Support Biodiversity and use less water	
• Install new PLANTING areas. Get professional advice to confirm feasibility of GREEN ROOFS . Identify next steps.	
Idenitify Maintenance Projects to reduce WATER USE, and put them in hand.	

Advanced Building

To reach **Advanced** for your building:

• Carry out a **Capital Project**

You can download this page with the Building Survey Tool from **RESOURCES**

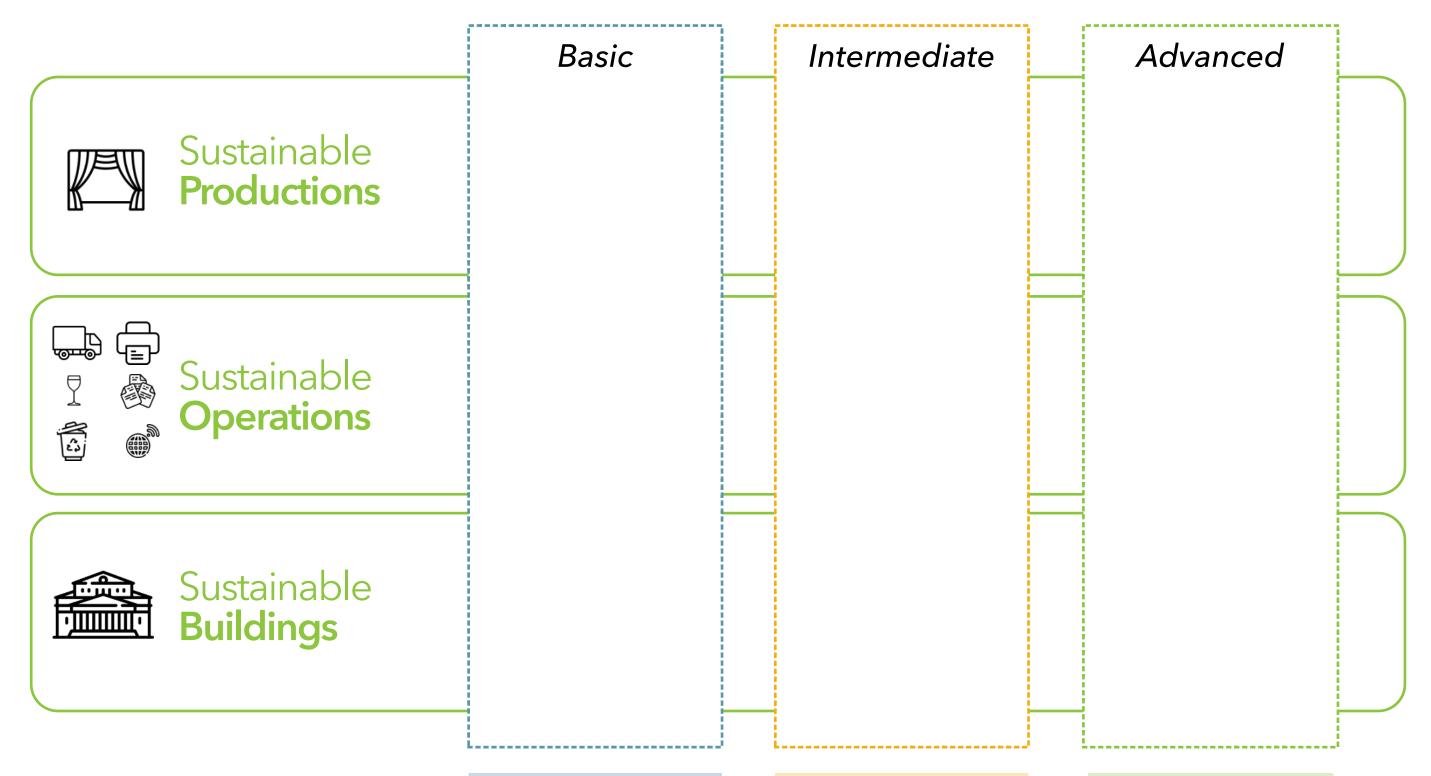
Step 1 Plan for a Sustainable Building	Done? V, NO or N/A
• Carry out a Capital Project(s) to achieve your Sustainability PLAN, raising funds and obtaining permission as necessary.	ons
Monitor energy RECORDS to compare planned energy savings with actual outcomes.	
Step 2 Insulation: so your building needs less energy	
Carry out all possible works to improve insulation to ROOFS, balconies and WALLS.	
Carry out all possible works to upgrade DOORS and WINDOWS.	
Step 3 Efficiency: so your building uses less energy	
Carry out all works to make your HEATING AND COOLING system(s) as energy-efficient as possible.	
Carry out all works to make your LIGHTING systems(s) as energy-efficient as possible.	
• Carry out all works to make your HOT WATER system(s) as energy-efficient as possible.	
• Carry out all works to make your VENTILATION system(s) as energy-efficient as possible.	
Carry out all works to make your OTHER SYSTEMS as energy-efficient as possible.	
Step 4 Renewables: so you make your own energy	
• Install RENEWABLE energy generation systems, if they are part of your Sustainability Plan.	
Install HEAT PUMPS where feasible, if they are part of your Sustainability Plan.	
Switch systems wherever possible from fossil fuels to ELECTRICITY.	
Step 5 Support Biodiversity and use less water	
• Installing PLANTERS, planted areas and GREEN ROOFS wherever feasible.	
Install systems for recycling RAINWATER or GREYWATER wherever feasible.	

Go to BUILDINGS RESOURCES

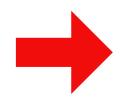
- for ... Detailed Guidance
 - The Building Survey Tool and downloadable standards
 - Case studies
 - Toolkits

Go to Buildings resources How do I measure progress?

Self-certify using the Theatre Green Book standards















How to Start:

Make a **Commitment** to sustainability, with

- A **Timescale** to reach Baseline.
- An immediate **Action Plan**.

Form a **Green Team** and develop a sustainability culture within your organisation.

Appoint someone to lead on **Data** gathering and someone to lead on **Communications**.

Preliminary

COMMIT to reducing your environmental impact, and starting the transition to net zero.	It's essential to make sure your environmental commitment is clear to everyone.	
• Establish a GREEN COMMITTEE including a sustainability lead, a member of the senior leadership team, and a lead for each area - Productions, Operations and Buildings – and key staff members.	Leadership is key but a senior team is needed to decide which Theatre Green Book level to target, make change, involve staff and report progress.	
 Agree an ACTION PLAN setting out the steps you need to reach the next Green Book stage, and a timescale to achieve it. 	You must be clear on the key actions needed to deliver measurable progress towards the environmental goal.	
 Make a DATA PLAN to set out what you are going to measure and who is responsible. 	You need to be in a position to report and analyse your progress, to achieve each Green Book standard.	
• Set a COMMUNICATIONS PLAN to explain how you will share your targets and achievements, involving staff, partners and audiences.	Sustainability needs a cultural change. Good communication helps everyone share the challenge.	



To reach Basic:

- All **Productions** target Basic and two thirds achieve it (only include productions for which you have lead responsibility).
- You have a Sustainable **Operation** and have achieved Basic in 4 out of 6 areas.
- You have a Sustainability Plan for your **Building** (if applicable), and have put in hand the Easy Wins in each area. (Include Easy Wins you have carried out in the past 5 years).

Sustainable Operations	Organisation	
Paper and digital		
Food,drink, retail		
Managing the buildings		
Reuse and recycling		
Travel		
Contracts and procurement		
Sustainable Buildings	Plan	
Easy win no. 1		
Easy win no. 2		
Easy win no. 3		
Easy win no. 4		
Easy win no. 5		
Easy win no. 6		

Target?

Achieved?

Sustainable Productions

Production

Production

Production

Production

You can download this page from **RESOURCES**



To reach Intermediate:

- All **Productions** target Intermediate and two thirds achieve it (include productions where you are a co-producer).
- You have a Sustainable **Operation** and have achieved Intermediate in 4 out of 6 areas.
- You have developed the Sustainability Plan for your **Building** (if applicable), and have put in hand the Maintenance Projects in each area. (Include Projects you have carried out in the past 5 years).

Sustainable Productions	Target?	Achieved?
Production		

Sustainable Operations	Organisation	
Paper and digital		
Food,drink, retail		
Managing the buildings		
Reuse and recycling		
Travel		
Contracts and procurement		

Sustainable Buildings	Plan	
Maintenance Project no. 1		
Maintenance Project no. 2		
Maintenance Project no. 3		
Maintenance Project no. 4		
Maintenance Project no. 5		
Maintenance Project no. 6		



To reach Advanced:

- All **Productions** target Advanced and three quarters achieve it (include touring productions where you are a receiving venue).
- You have a Sustainable **Operation** and have achieved Advanced in all areas.
- You have achieved Advanced for your **Building** (if applicable).

Target?	Achieved?
	Target?

Organisation	
	Organisation

Sustainable Buildings	Plan	
Capital Project no. 1		
Capital Project no. 2		
Capital Project no. 3		
Capital Project no. 4		
Capital Project no. 5		
Capital Project no. 6		

How do I measure outcomes?

Assess your practice using the standards













Measure circularity and carbon using the tools





%
reused /
recycled

kgCO2e new materials





% waste recycled

kgCO2e travel





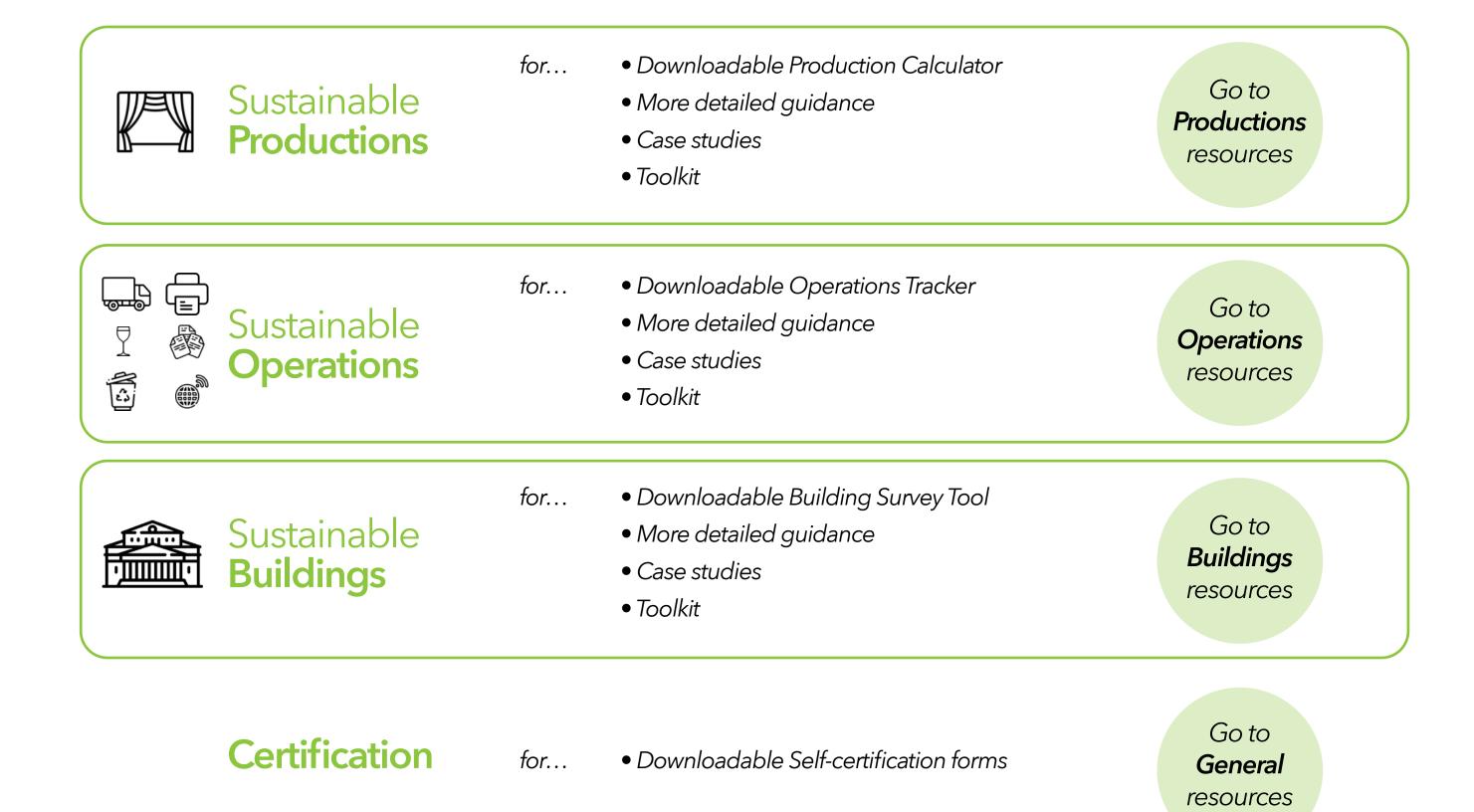
kgCO2e building

Note: 'kgCO2e' is 'kilograms of CO2 equivalent', a standard measure of carbon emissions.



What tools do I need?

You'll find all you need in the RESOURCES area



The Theatre Green Book is a pathway to climate and ecological sustainability.

It aligns theatre with UN Sustainable Development Goals:

- Goal 9: Industry, Innovation and Infrastructure
- Goal 11: Sustainable Cities and Communities
- Goal 12 : Responsible Consumption and Production
- Goal 13: Climate Action

You need action on health, equality and justice to align theatre with all 17 UN Sustainable Development Goals.

• https://www.undp.org/sustainable-development-goals

Renew Culture are co-founders and co-authors of the Theatre Green Book. We have pioneered the growth of Green Book networks across the world, and are leaders in theatre's journey to sustainability.

https://www.renewculture.co.uk



Buro Happold is an international, integrated consultancy of engineers, consultants and advisers. After leading the construction industry in declaring a climate emergency, we've committed to reduce our own impact by achieving challenging science-based targets. We are collectively working towards an equitable and green future by adapting our business to mitigate climate change and the biodiversity crisis and helping others achieve their sustainability goals.

https://www.burohappold.com/about/

BURO HAPPOLD

Neither the Theatre Green Book, nor its writers and sponsors, are liable for any damages which may result indirectly or directly from applying or using the Theatre Green Book and its contents. No warranty or guarantee is given or implied about the accuracy, reliability, completeness or suitability of advice contained in the Theatre Green Book. It is offered in good faith to help theatre-makers move towards more sustainable practice, but using the contents is solely at the risk and responsibility of users.