



비콥(B Corp)의 환경경영 사례와 집합적 임팩트

비랩코리아
정태은





RUBICON Method™

6 Steps to Successful Recycling and Waste Reduction



Determine

Initiate

Vocalize

Eliminate

Roll-out

Track

산업 > 기업

“클라우드로 폐기물 솔루션 제공”...‘쓰레기 업계 우버’로 부상한 루비콘

[이코노미조선]

[Interview] ‘쓰레기 유니콘’ 루비콘 르나우드 드 비엘 카스텔 최고운영책임자(COO)

안소영 기자

입력 2022.05.24 06:10



전 세계를 덮친 코로나19 팬데믹(pandemic·감염병 대유행)으로 전례 없는 위기를 겪은 인류가 오랜 숙제였던 쓰레기 문제를 다시 주목하고 있다. 감염 예방을 이유로 일회용품 사용 금지 조치가 일시 중단됐고, 처리가 어려운 의료 폐기물과 음식물 쓰레기 등이 넘쳐나고 있다. 일각에서는 쓰레기 팬데믹이 바이러스 팬데믹을 넘어서는 인류의 위협 요소가 될 것이라는 우려마저 나오는 가운데 각국 정부와 기업들은 ‘지속가능성’을 위한 순환 경제로 전환을 가속화하고 있다. 이 과정에서 폐기물을 좀 더 효율적이고, 쉽고, 깨끗하게 처리할 수 있는 기술과 기업들이 각광 받으며 이들에 대한 투자가 늘고 있다. 돈이 물리면서 산업 자체도 빠르게 성장하는 모양새다. 폐기물

한겨레 | A19면 5단 | 2014.11.02. | 네이버뉴스

쓰레기 더미서 돈 캐는 남자

루비콘은 쓰레기의 운명을 바꾸고 있지만 넘어야 할 산도 많다. 2022년까지 ‘쓰레기 제로’라는 목표가 실현 가능성이 떨어지는데다 루비콘이 내놓는 재활용 아이...



Waste	3,850.7 tons
Cardboard	2,053 tons
Mixed Recycling	654.97 tons
Plastic	240.11 tons
Metal	13.61 tons
Pallet	3.3 tons



Diversion Material Profile Carbon Reduction **Scope 3 Emissions** Sustainability Sharepoint

Demo Customer 005173
GHG Protocol – Scope 3 Category 5 Emissions ⓘ

90 days ▾ 07 - 12 - 2022 10 - 10 - 2022

City ▾ Zip Code ▾ Tags ▾ Site Name ▾ States ▾

Paper	0.34 MTCO2e
Cardboard	1.12 MTCO2e
Metal	36.83 MTCO2e
Mixed Recycling	52.5 MTCO2e
Plastic	0.66 MTCO2e
Waste	1,997.4 MTCO2e
Glass	0.07 MTCO2e
C&D	0.66 MTCO2e
Organics	216.05 MTCO2e



"PC처럼 조립하는 착한 스마트폰"...네덜란드 '페어폰' 주목

✎ 김미영 기자 | ⓒ 승인 2021.10.05 11:38 | 댓글 0



모듈식으로 설계돼 쉽게 분해할 수 있는 '페어폰'. /사진=페어폰

FAIRPHONE Impact Report 2022

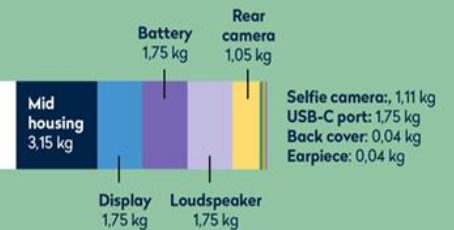
CHAPTER 3 — OUR PROGRESS ON IMPACT

Longevity: Why repairing is the key to decrease a phone's impact on climate change

It takes 43 kg CO₂e to manufacture a Fairphone 4

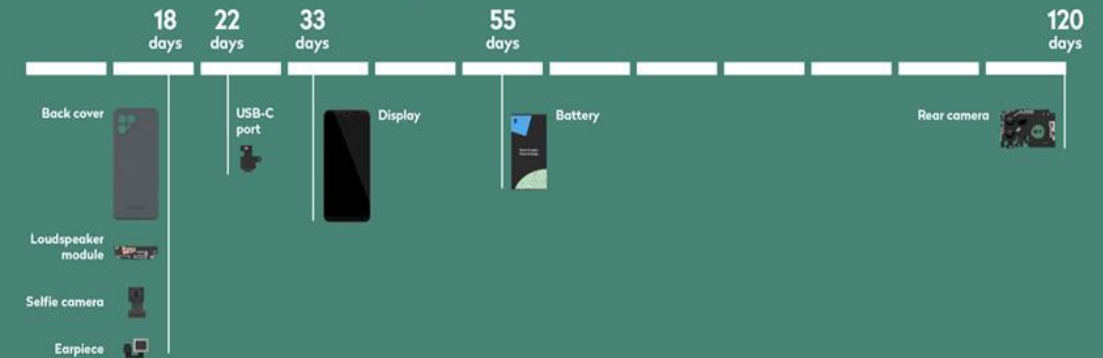
This is how much kg CO₂e it takes to produce each Fairphone 4 module:

Core
24.85 kg



Spare parts emission pay back time

Days you need to use your Fairphone 4 after replacing a module to compensate the repair emissions by using your phone (= the other parts, especially the core) for longer. Yes, it is that short!



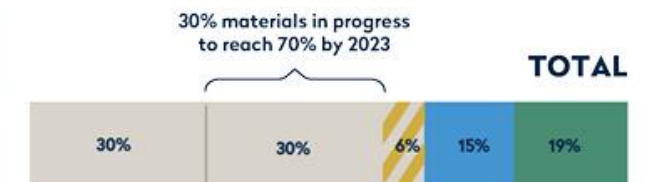
Our focus materials

To build the Fairphone 4 we use over 50 different materials. We selected 14 focus materials based on where we can make the biggest impact on planet & people. For the total material consumption, please see [appendix 4](#)



Fair material sourcing status* in 2022 for Fairphone 4

* This doesn't include the materials in progress from (for example cobalt and lithium) mines where we run impact programs but are still building the connection with our supply chain.



40%
fair material
achieved in 2022

Home > 백마켓 소개

The New New

새로운 "새로움"

백마켓/Back Market의 미션은
리퍼비시 제품에 가치와 신뢰를 가져오는 것입니다.



사용 가능한 자원 활용

아직 사용 가능한 전자기기를 폐기하지 않고 사용함으로써 에너지 자원을 최대한 활용할 수 있습니다.

매립이 아닌 순환

전자기기를 순환시킴으로써 매립지에 버려지는 쓰레기를 줄입니다

새로운 제품의 과잉생산 방지

리퍼비시 제품의 수요를 높임으로써 새로운 제품의 과잉생산을 방지합니다

경제 > 글로벌 경제

WSJ "리퍼비시 플랫폼 '백마켓' 기업가치 57억 달러 육박"

SBSBiz 입력 2022.01.12.06:45 수정 2022.01.12.06:45

최근 높은 가격의 새 제품 대신 단순 반품된 제품이나 초기 불량품을 재정비해 판매하는 '리퍼비시' 제품을 찾고 있는 사람들이 늘고 있습니다.












































11일(현지시간) 월스트리트저널에 따르면 아이폰을 비롯한 재생 상품을 판매하는 온라인 플랫폼 '백마켓'의 기업가치가 57억 달러, 우리돈 7조 원에 육박하는 등 리퍼비시 시장이 주목을 받고 있습니다.

보도에 따르면 백마켓은 최근 5억 달러 규모의 투자 유치에 성공하고, 글로벌 직원수를 3배 가까이 늘리는 등 영역 확장에 나서고 있습니다.

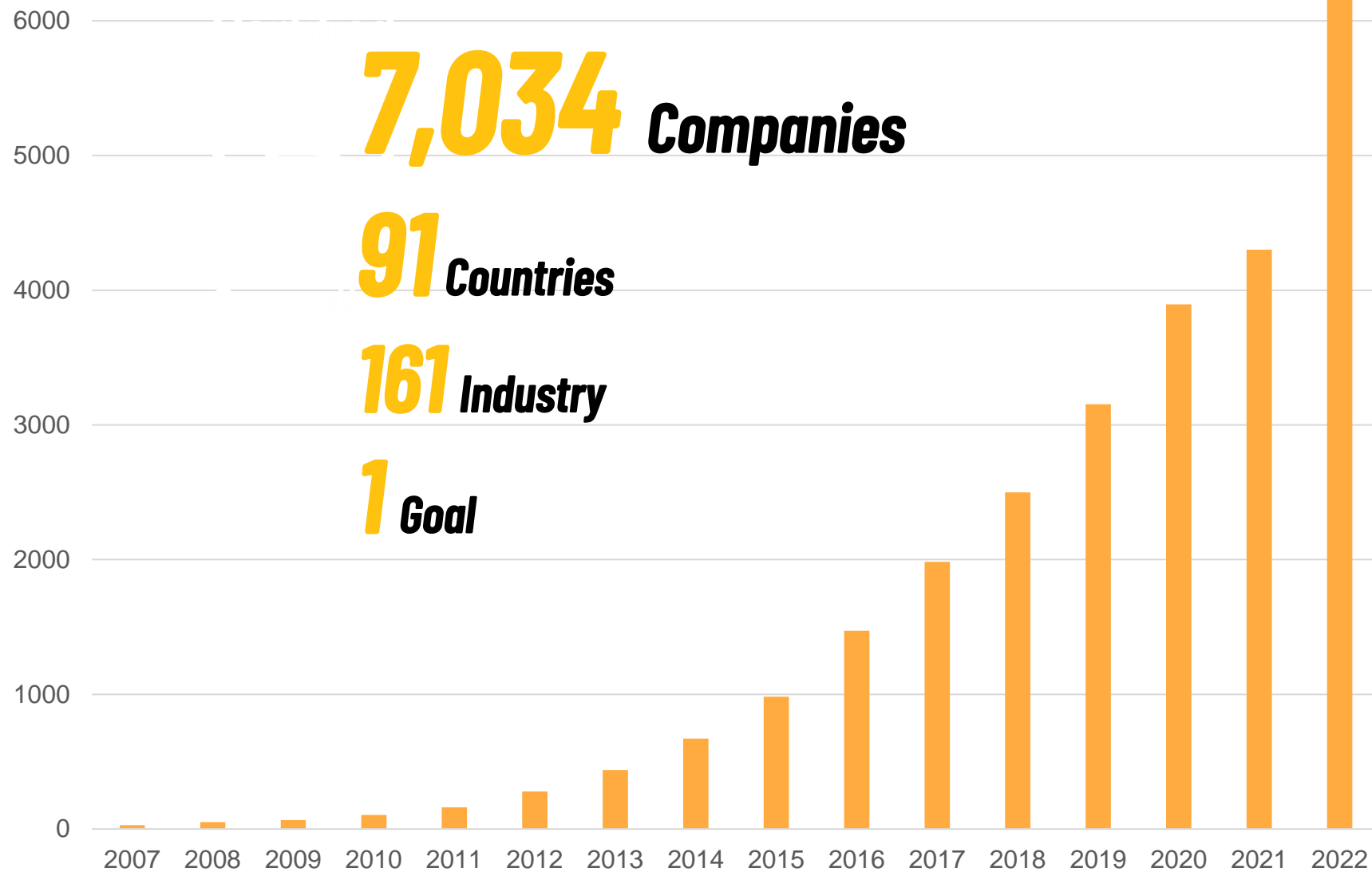
업계는 리퍼비시 시장이 전 세계 전자제품 총 매출의 약 6%를 차지하는데 불과하지만, 프리미엄 브랜드의 플래그십 제품을 저렴한 가격에 사고자 하는 수요가 늘고 있어 성장세는 더 가팔라질 것으로 진단했습니다.

continew
EARTH



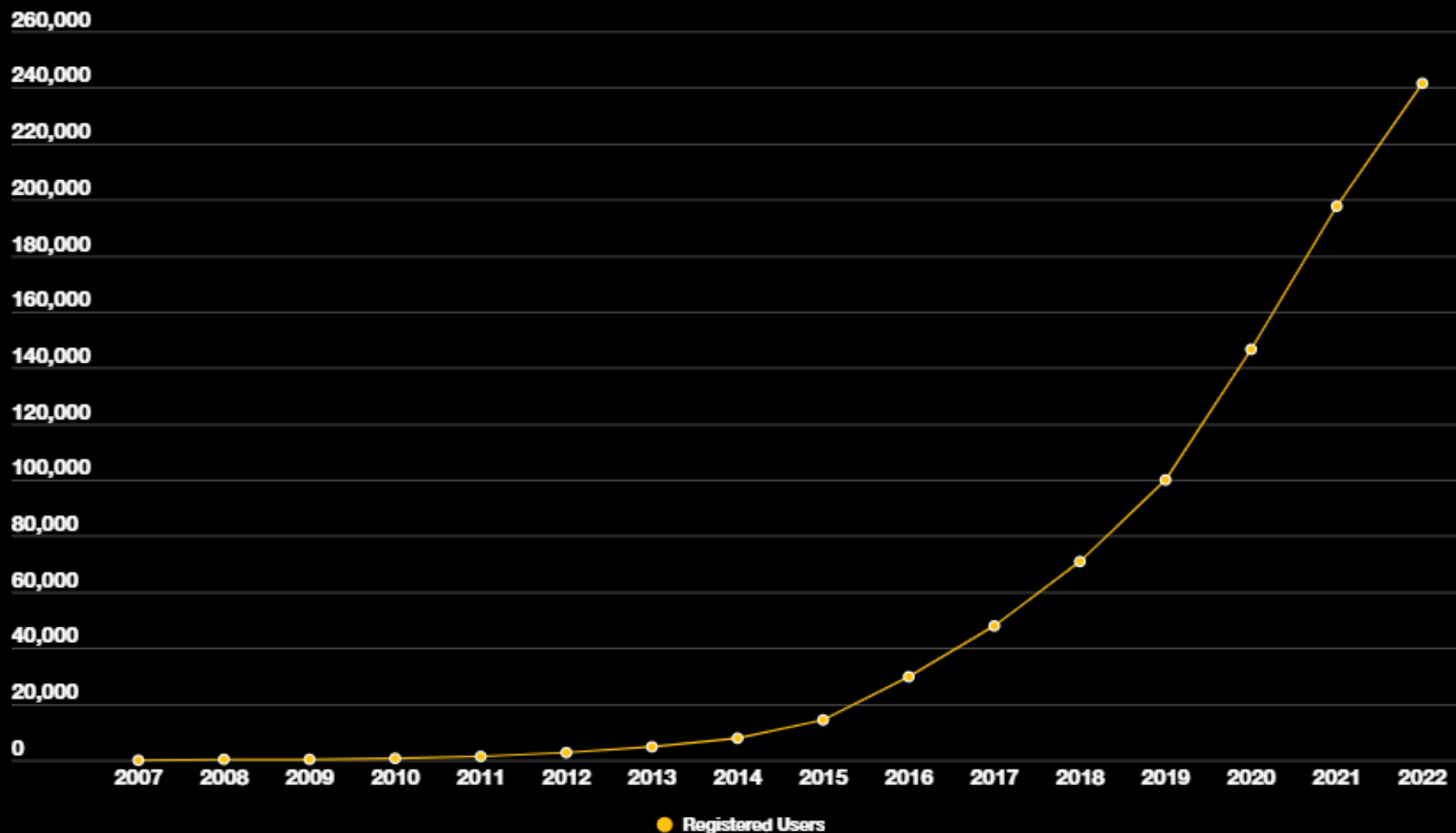
						
						
						
						
						
						
						

비콕 기업의 증가



BIA 사용자의 증가

B Impact Assessment Users



비콥 인증 요건 3가지

사회 환경적 성과

B Impact Assessment

BIA 80점 이상 획득
및
기업정보공개 답변 완료

책임성

법적인 요건

모든 이해관계자를
고려하는 책임 있는
법인격(예: 베네피트
코퍼레이션)으로 전환

(한국기업은
비콥선언문에 서명)

투명성

비콥 보고서 공개

인증 후에는
비콥 디렉토리에
BIA 보고서 공개

비콥 인증(BIA)은 어떤 것을 평가하는가?

www.bimpactassessment.net



“기업을 둘러싼
주요 이해관계자 영역에서
우리 기업은
어떠한 유익을 창출하는가?”

비콥 인증은 어떤 것을 평가하는가? (Version 6)



지배구조

- 기업 미션 및 참여
- 지배구조
- 기업 윤리
- 투명성
- + 미션 이탈 방지
- 기업 운영 임팩트
- + 임팩트 비즈니스 모델 (IBM)



기업구성원

- 구성원 재무안정성
- 구성원의 건강과 안전
- 구성원 경력 개발
- 구성원의 복지와 만족
- + 임직원 소유 구조
- + 일자리 개발 모델



지역사회

- 다양성, 공정성, 포용성
- 경제적 임팩트
- 시민 참여/기부
- 공급망 관리
- + 소상공인 지원 모델
- + 기부모델
- + 생산자 협동조합
- + 공급망 빈곤 완화
- + 지역경제 개발



환경

- 환경 경영
- 대기 및 탄소 배출
- 용수 관리
- 유해물질/폐기물 관리
- + 환경 유익 제품/서비스
- + 환경적 혁신 프로세스



고객

- 고객 관리
- + 고객 유익 제품/서비스
- + 빈곤층 지원 모델

기업정보
공개질문
(Disclosure
Questionnaire)

B Impact Assessment의 환경영역 평가 구조

Environment Management	<ul style="list-style-type: none">• 환경경영의 일환으로 일상적 운영에서 발생하는 환경영향을 전체적으로 고려하는지• 환경에 미치는 영향과 가치를 관리/측정/보고하는지<ul style="list-style-type: none">➢ 기업의 규모가 커질수록 시설/제품/공급망 관리 시스템 도입 권고
Air & Climate	<ul style="list-style-type: none">• 기업의 오피스/시설에서 사용하는 에너지와 배출하는 온실가스를 관리/측정/보고하는지• 공급망 내 에너지 사용 및 대기배출을 관리하는지• 출퇴근, 출장 등 이동에서 발생하는 대기배출 관련 문항
Water	<ul style="list-style-type: none">• 기업의 오피스/시설에서 사용하는 용수 및 배출하는 폐수를 관리/측정/보고하는지• 공급망 내 물 사용 관리하는지
Land & Life	<ul style="list-style-type: none">• 기업의 오피스/시설에서 배출하는 폐기물 및 유해/독성물질을 관리/측정/보고하는지• 제품이 최종적으로 폐기됨으로써 발생하는 환경영향을 관리하는지 (ex. 제품 재활용, 포장재 등)• 공급망 내 폐기물 배출, 화학물질 사용, 자연서식지 영향을 관리하는지

B Impact Assessment의 환경영역 평가 구조

Land & Life

Monitoring and Reporting Non-hazardous Waste



Non-hazardous Waste Generated



Total Waste Disposed



Total Waste Recycled



Recycling Programs



Reducing Waste



Hazardous Waste Disposal



Chemical Reduction Methods



B Impact Assessment의 환경영역 평가 예시

Land & Life

Monitoring and Reporting Non-hazardous Waste

☆ □

LEARN MORE FEEDBACK

How does your company monitor and manage your waste production?

Your answers determine which future questions in the assessment are applicable to your company.

☐

We do not currently monitor and record waste production

☒

We regularly monitor and record waste production but have not set any reduction targets

☐

We regularly monitor and record waste production and have set specific reduction targets relative to previous performance (e.g. a 5% reduction of waste to landfill from baseline year)

☐

We regularly monitor and record waste produced and have set a zero waste target

☐

We have met the specific reduction targets set during this reporting period

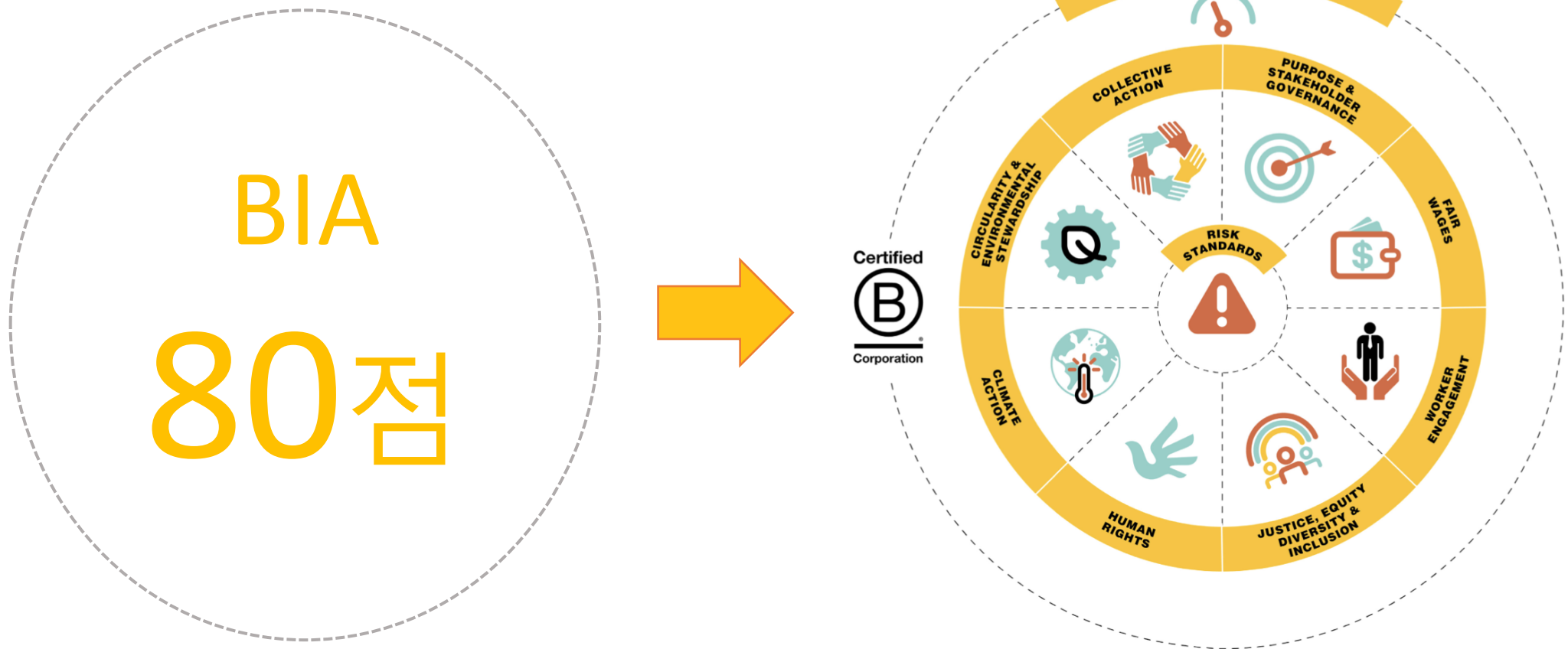
☐

We produce zero waste to landfill / ocean

Points Earned: 0.25 of 1.00

NEXT

비콥 인증 요건의 진화 -2024 최종안 발표 예정 (사회환경적 성과)



- 인증 신청 기업은 BIA 80점 획득
- 점수 획득 영역에 제한 없음
- 재인증시에도 80점 기준

- 10개 주제에 대해 구체적인 요건 갖춰야
- 각 요건은 검증됨
- 재인증시 요건에 대한 지속적으로 준수하며, 진행상황 및 목표 공유

비콥 인증 요건의 진화 - 10대 주제

주제	목적 및 기대 결과
기업의 목적 및 이해관계자 지배구조	비콥은 모든 사람과 지구를 위한 포용적이고 공평하며 재생 가능한 경제 시스템을 만드는 데 기여하는 정의된 목적에 따라 행동합니다.
직원 참여	직원들이 참여한다는 느낌을 받으며, 직원들과 양방향 소통, 직원들의 관점에 대한 존중
공정 임금	직원들은 자신과 가족에 위해 적절한 생활 수준을 누릴 수 있으며, 노동력 간에 임금 평등
정의, 형평성, 다양성, 포용성	비콥은 포용적이고 다양성을 존중하는 업무 환경을 갖추고 있으며, 공정하고 공평한 커뮤니티에 기여함
인권	비콥은 사람을 존엄하게 대하고 인권을 존중함
기후 행동	비콥은 과학에 기반해 기후 변화와 영향에 대처하기 위해 행동을 취함
순환 경제 및 환경 관리	비콥은 환경 책임을 입증하고 운영 및 가치 사슬에서 순환 경제에 기여하여 부정적인 영향을 최소화하고 긍정적인 영향을 추구함
집합적 활동	비콥은 공평하고 포용적이며 재생가능한 경제를 추구하는데 있어서 공동의 이해, 솔루션, 구현을 촉진하는 리더역할을 함
임팩트 관리	비콥은 비즈니스의 영향을 종합적으로 식별하고 측정해 시간을 거듭할수록 개선함
리스크 기준	비콥은 이해관계자의 기존 또는 긴급한 우려사항 뿐만 아니라 특정 산업 또는 관행과 관련된 부정적인 영향을 방지하고, 관리하며 효과적으로 대응함

② Climate Action

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CA1: Your company tracks its GhG emissions annually.	All companies	<ul style="list-style-type: none">• The company shall be able to demonstrate the sources of its GhG emissions in its operations and value chain by calculating its Greenhouse Gas (GhG) emissions on its scope 1, 2, 3 following a credible methodology (i.e. GhG Protocol, EU Commission Recommendation 2013/179/EU, ISO 14067:2018 or ISO 14064-1:2018). [Link to Circularity & Environmental Stewardship - CES2]• For any secondary data or estimate the company shall prioritize credible databases and publications that are internationally recognized, provided by national governments, or peer-reviewed (e.g. IPCC, International Energy Agency).• Any limitations or exclusions shall be explained.
	Companies with 0 to 499 workers	<ul style="list-style-type: none">• The company can use a credible carbon calculator tool that provides estimates on a company's overall emissions. [Potential equivalency: GhG Protocol - GHG Emissions Calculation Tool; Quantis - Scope 3 Evaluator; SME Climate Hub - Business Carbon Calculator]<ul style="list-style-type: none">◦ The company is encouraged to move to a formal GhG inventory development process or have third party verification in place.



Climate Action

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CA2: Your company implements a climate transition plan to ensure its fair contribution to keep global warming below 1.5 °C.	All companies	<ul style="list-style-type: none"> As part of the company's climate transition plan the company shall: Set a near-term (5-10 years) emission reduction target on scope 1, 2, 3 (if >40% of total emissions come from scope 3), that is aligned with latest science, reflecting a fair share of 50% global emissions reduction by 2030. The company shall continue to set near-term targets until global net-zero emissions are reached. [Potential equivalency: target submitted and validated by Science Based Target initiative (SME or large enterprise route), commitment made via the SME Climate Hub.] Define time-bound verifiable and quantifiable key performance indicators (KPIs) and roles and responsibilities (where applicable). Re-assess the plan and update it at least every three years. [Potential equivalency: transition plan assessed by a third party confirming it is aligned to support a 1.5 degrees scenario / low-carbon transition (e.g. ACT initiative, Climate Action 100+)] Note: for guidance on renewable energy / electricity see the Technical Guidance of RE100 or Cradle-to-Cradle certification. At recertification, the company shall demonstrate its progress against its plan, targets and KPIs. [Link to PSG4]
	Companies with 0 to 499 workers and service sector with minor environmental footprint in all sizes	<ul style="list-style-type: none"> In case lack of data prevents the company from setting a specific reduction target the company can fulfil the requirement if it can demonstrate how its transition plan addresses the company's key emissions sources. The company shall have a plan to improve its measurement and target setting. In case the company has minor GhG impact (and is using or has a plan to use 100% renewable electricity if available) the company can fulfil the requirement by taking a collective action [Link to CoA1] and/or by supporting communities and people disproportionately affected by climate change in or outside the value chain or support people affected by the transition to the green economy (see climate justice and just transition under key terms and references). This can include e.g. funding carbon credit projects; supporting vulnerable populations in the community or value chain; supporting minority-led businesses in the value chain; transitioning from clients who are in the fossil fuel sector, unless the company supports them to reduce their climate impact, etc.

② Climate Action

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CA3: Your company has a track record of climate action.	Companies with 0 to 49 workers	<ul style="list-style-type: none">• No requirements.
	Companies with 50 to 499 workers or service sector with minor environmental footprint with 50 or more workers	<ul style="list-style-type: none">• The company shall demonstrate any of the following:<ul style="list-style-type: none">(1) Their GHG emissions are below that of relevant peer benchmark groups, OR(2) They have reduced their GHGs in the last two years in accordance with their climate plans. In case the company has minor GhG impact, alternatively the company can demonstrate the following:(3) They took action for wider societal impact on climate in the last two years. <p>Examples of actions for wider societal impact</p> <ul style="list-style-type: none">• Taking a collective action on climate. [Link to CoA1]• Supporting communities or vulnerable populations (to be) impacted by climate change, which can include investing in emission reduction projects or other carbon credit projects outside of the value chain.• At recertification, the company shall demonstrate progress against its transition plan as outlined in CA2. [Link to PSG4]

② Circularity and Environmental Stewardship

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CES1 Your company and relevant workers know the company's (potential) impact on the environment.	All companies	<ul style="list-style-type: none">• The company shall (re)-assess the existing and potential environmental impact in its operations and value chain, especially considering <u>climate, water, biodiversity, pollution, waste (including food waste), animal welfare</u>, e.g. by using performance data, public risk assessment tools, national or regional data, regulations, stakeholder input / engagement, etc. [link to PSG2 & IM2]• The company shall understand if there is any significant <u>stress on nature</u> in the region where it operates, e.g. water scarcity risk, biodiversity loss, acute pollution of water bodies, soil, etc.• The company shall prioritize environmental aspects based on impact, risk and expectations of stakeholders. [link to PSG2]• Company shall inform relevant workers on the (potential) environmental impacts. Relevant workers include at minimum: members of the highest governing body, executive leadership, and workers in procurement, research and development, corporate social responsibility or equivalent team, workers responsible for operations environmental impact like health, safety and environmental manager or facilities manager (where applicable).• The company shall regularly monitor and review the environmental impact of its operations (energy, waste, water/wastewater, pollution, biodiversity or other aspects based on relevance), or if there is no physical office or site, the impact of its virtual office. The frequency of monitoring shall be determined based on impact and context.• If significant change occurs in the company's operations or value chain, or at minimum every three years, the company shall reassess its overall environmental impact and priorities.

② Circularity and Environmental Stewardship

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CCES2 Your company has an environmental strategy promoting circularity and environmental stewardship.	All companies	<ul style="list-style-type: none">• The company shall outline its environmental commitment and demonstrate key actions that will address the company's environmental impact, potential risk and stakeholder expectations considering also the principles of circularity and striving for environmental stewardship.• For companies with own office/site or for companies that do not own their office space but have access to data on its impact the plan at minimum shall cover the below actions and any additional actions reflecting the key environmental aspects identified. [see CES1]<ul style="list-style-type: none">◦ Continuous water and energy conservation and efficiency measures. [further actions on climate under Climate Action]◦ Continuous reduction of waste (including food waste) by applying the waste hierarchy. The company shall aim to avoid waste to landfill and minimize incineration.• Companies without a physical office: The plan shall include good environmental stewardship regarding the management of their virtual office.• At recertification, the company shall demonstrate progress towards its commitment. [Link to PSG4]

② Circularity and Environmental Stewardship

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CES2 Your company has an environmental strategy promoting circularity and environmental stewardship.	Companies with 50 or more workers in manufacturing or in service companies with a significant footprint, or in wholesale/retail	<p>The strategy of the company shall:</p> <ul style="list-style-type: none">• Have time-bound (short-and long-term) objectives and KPIs tied to the strategy [Link to PSG4] and clearly defined roles and responsibilities.• Be re-assessed and updated at least every three years.• In case the company identified any risks to water quantity (including baseline water stress) and water quality (e.g. based on Aquaduct Water Risk Atlas, WWF Water Risk Filter) or other nature-related risks where it operates the plan shall include measures to overcome those risks.• Include protecting and enhancing biodiversity linked to the products manufactured and/ or sold or linked to the site of operations/premises if material. Examples include promoting agricultural practices that contribute to enhancing biodiversity, or to halting or preventing the degradation of soils and other ecosystems (e.g marine, ocean), deforestation and habitat loss, restoring nature, or improving biodiversity around the site). [Potential equivalency: Regenerative agriculture , organic, Fairtrade or other credible sustainability certifications for commodities.]• Cover animal welfare best practices in line with the sector / national or regional guidelines or standards (e.g. cage-free, Animal Welfare Approved, Beter Leven, Certified Humane, Global Animal Partnership), if ingredients of products manufactured and/or sold come from terrestrial animals.• Embed environmental assessment / considerations in all key stages of the product or service design. [Link to PSG1]• Promote responsible consumption and/or help customers/consumers lower their environmental footprint and/or using the product or service in a more environmentally friendly way.

② Circularity and Environmental Stewardship

REQUIREMENT	WHICH COMPANIES	HOW TO MEET THE REQUIREMENT
CES3: Your company has a supplier engagement framework to support your environmental objectives and traceability in your supply chain.	Companies with 49 or fewer workers or service sector with minor environmental footprint of any size	<ul style="list-style-type: none">• The company at minimum shall align its procurement processes with its environmental strategy and objectives (for example by having a sustainable procurement guideline) and shall demonstrate how environmental aspects were considered for concrete procurement decisions.
	Companies with 50 or more workers in manufacturing or in agriculture, or in service companies with a significant footprint, or in wholesale/retail	<ul style="list-style-type: none">• As part of the company's supplier engagement the company shall:• Have sustainable procurement targets aligned with its environmental strategy.• Share its environmental commitments and objectives with its suppliers, e.g. via a Supplier Code of Conduct.• Integrate circularity and environmental principles into the supplier selection process and procurement decisions, giving preferential treatment (incentives and/or rewards) to suppliers that are aligned on the company's goals.• Engage its suppliers on their material environmental topics and performance regularly (e.g. via Annual or quarterly business reviews), and collaborate where possible, e.g. learning and data sharing, best practice exchange, etc.• At recertification, the company shall demonstrate how it progressed with its plan and targets. [Link to PSG4]

비콥 기업들의 집합적 임팩트



Climate Action Resources

[US Climate Policy Statement](#)

[Employee Engagement Toolkit](#)

[Catalyzing Consumers in Climate Action E-Book](#) *via Guru*

[B Corp Climate Strike Mobilization Toolkit](#)

[How to Declare a Climate Emergency: A playbook for business](#) *via B Lab UK*

[Report: How Businesses Are Addressing Climate Change](#) *via B Lab*

[The Ceres Roadmap for Sustainability](#)

[Carbon Footprint Calculation & Reduction Guide](#)

[Carbon Footprinting Guide](#) *via Carbon Trust*

[Calculate Your Carbon Footprint](#) *via The Nature Conservancy*

[Climate Neutral Certification](#)

[Best Practice Resources from the B Impact Assessment](#) *via B Lab*

[Sustainable Packaging Toolkit](#)

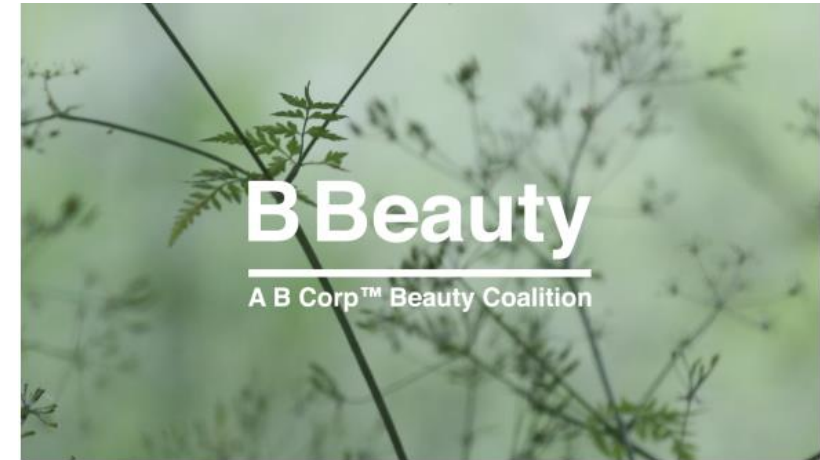
비콥 기업들의 집합적 임팩트



B Corp B Fashion

비콥 비패션

아이디팩토리, 머드진, 세이브더덕 등 비콥 패션 기업들의 모임입니다.
패션 기업들의 더 나은 비즈니스 관행과 아이디어를 공유하는
커뮤니티를 만들고 있습니다.



B Corp Beauty Coalition

비콥뷰티연합

뷰티포굿(Beauty For Good)!

더바디샵, 닥터브로너스 등 뷰티 기업들이 산업의
부정적인 사회환경적 영향을 개선하기 위해 시작한 이니셔티브입니다.



1% for the planet

원퍼센트 포더 플래닛

1% for the Planet은 건강한 지구를 위해 함께 일하는 비즈니스, 비영리,
개인들의 글로벌 네트워크입니다. 비콥 기업인 파타고니아의 창립자, 이본 쉬나드와
블루 리본 플라이스의 창립자인 크레이그 매튜스 2002년 공동 설립했습니다.
미국 비영리 단체인 1% for the Planet은 환경에 대한 현명한 기부활동을
촉진하기 위해 자원과 활동가들을 한 곳에 모으고 있습니다.

문의

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