

Experts in developing the business case for circular economy

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OUTLINE OF A CIRCULAR ECONOMY

PRINCIPLE

1

Preserve and enhance natural capital by controlling finite stocks and balancing renewable resource flows ReSOLVE levers: regenerate, virtualise, exchange



Regenerate

Substitute materials

Virtualise

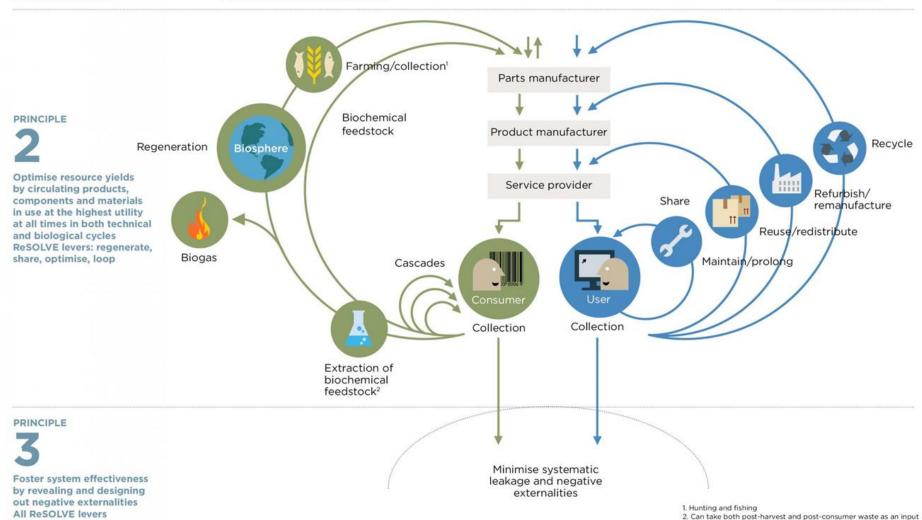
Restore

Renewables flow management

Stock management

Source: Ellen MacArthur Foundation, SUN, and McKinsey Center for Business and Environment; Drawing from Braungart & McDonough,

Cradle to Cradle (C2C).



The most important factor in the cycle



Circular business models

Service model Hire & lease

Take-back & re-sell

Longer life

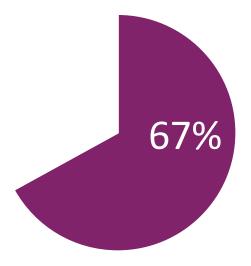
Better customer relationships

More value created – more regular income

Greater customer lock-in

What are UK householder behaviours & concerns?

<u>Huge</u> preference for shopping and buying new goods No evidence that most want to slow down buying but...



Concerned about personal data on products they've used



Have avoided disposing of products that hold personal data

How can we best repair smartphones?

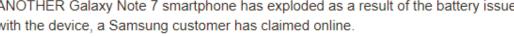


НОМЕ	N	EWS	SHOW	BIZ & TV	SPO	RT	CON	IMENT	FII	NANCE
STYLE	LIFE	HEALTH	CARS	GARDEN	FOOD	PROP	ERTY	DIETS	TECH	SATURDAY

Life & Style > Tech > Samsung Galaxy Note 7 EXPLODES inside hotel room, causes £1,00

Samsung Galaxy Note 7 EXPLODES inside hotel room, causes £1,000 worth of damage

ANOTHER Galaxy Note 7 smartphone has exploded as a result of the battery issues with the device, a Samsung customer has claimed online.



By AARON BROWN

PUBLISHED: 09:13, Thu, Sep 8, 2016



There is a place for repair outside warranty



Top 100 Warranty Providers of 2014:

While we can't c can compare ea the changes. W the

The 2014 annual repor

Figure 6
Top 100 U.S.-based Warranty Providers:
Top Ten Warranty Reserve Increases,
Calendar Year 2014 vs. 2013
(reserves in US dollars)

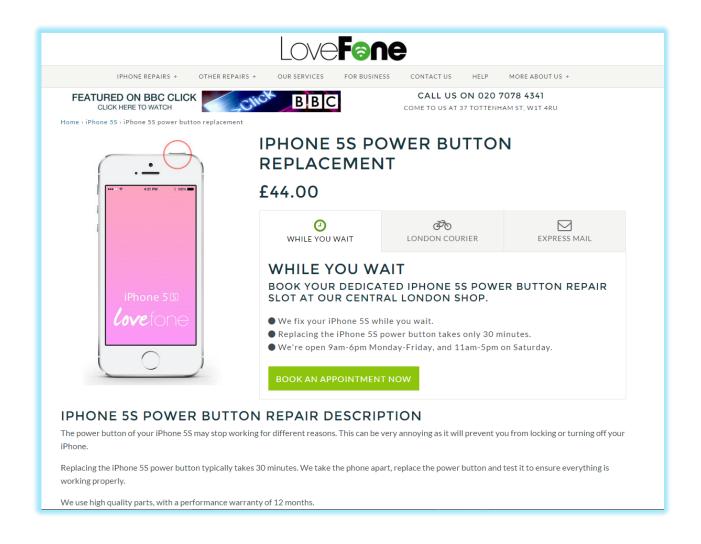
	Warranty	Warranty	VS.	
	Reserve	Reserve	Year	
Company	12/31/13	12/31/14	Ago	
Tesla Motors Inc.	\$53	\$129	+143%	
BorgWarner Inc.	\$73	\$132	+82%	
Diebold Inc.	\$83	\$113	+36%	
General Motors Co.	\$7,214	\$9,646	+34%	
Apple Inc.	\$3,980	\$5,195	+31%	
FMC Technologies	\$18	\$23	+28%	
Textron Inc.	\$223	\$281	+26%	
Middleby Corp.	\$23	\$29	+24%	
Fiat Chrysler US	\$3,800	\$4,685	+23%	
Whirlpool Corp.	\$191	\$235	+23%	

Source: Warranty Week from SEC data

Three main factors for repair services

Awareness
Access
Assurance

For example...



Source: http://www.lovefone.co.uk/collections/iphone-5s/products/iphone-5s-power-button-replacement

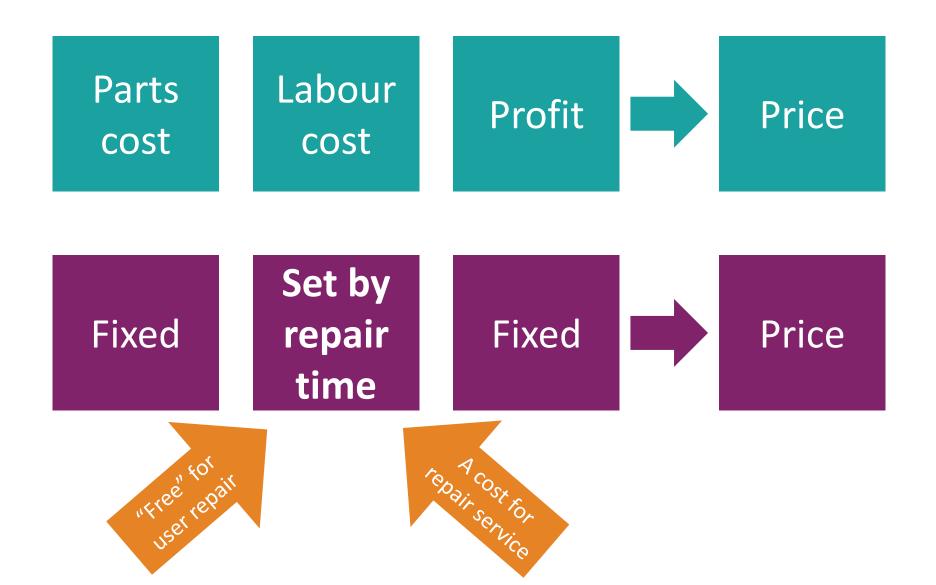
How best to measure "reparability"?

Use of glue

Types of screws

Userreplaceable components

What drives cost-effective repair?



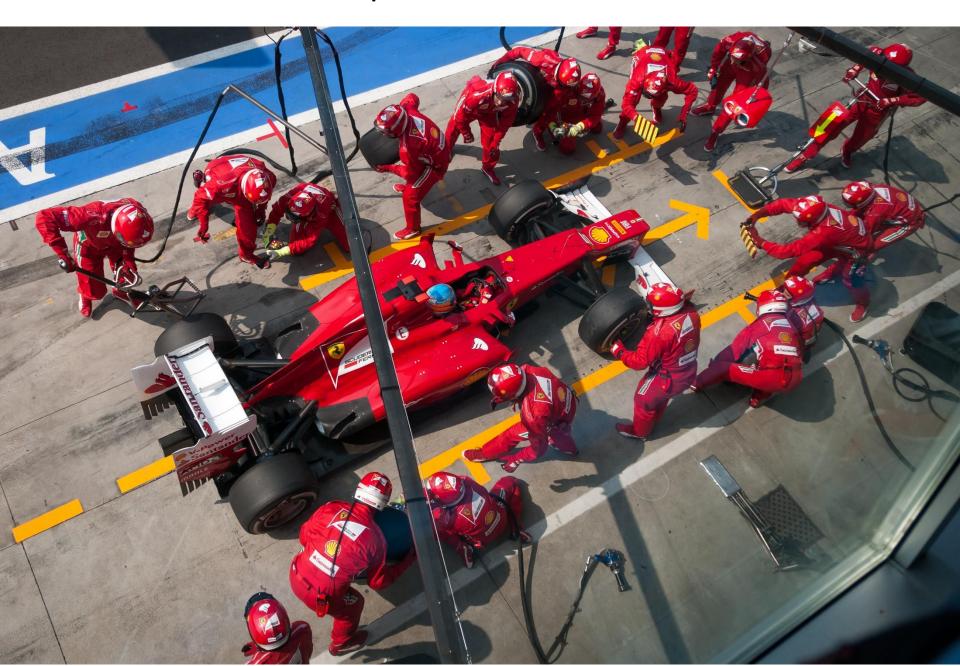
So how best to measure "reparability"?

components

Types of Use of glue screws Repair time Userfor a *trained* replaceable

person

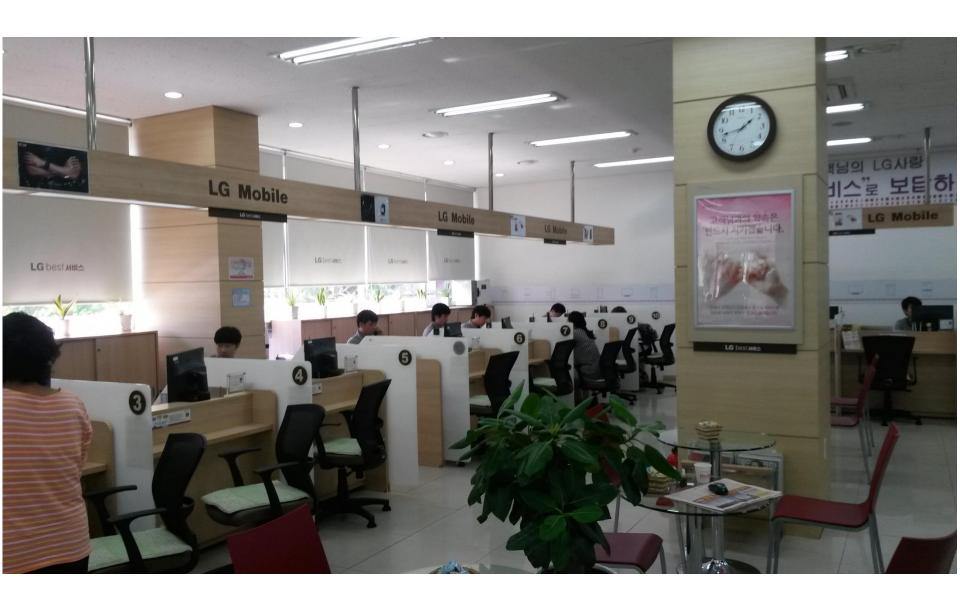
We need repair service to be like this...



What could circular economy models look like in practice?









Put in your location



Live waiting time



운영시간, 위치, 교통안내 등을 확인하시려면 센터명 또는 주소를 클릭해 주시기 바랍니다.

□ 검색하신 지역에서 **가까운** 서비스센터

서비스센터	현재고객 대기상태	방문예약	지도 보기	문자 전송
남천서비스센터 (직선거리 0.92 km) [구주소] 부산광역시 수영구 남천1동 19-7 LG Bestshop 남천점 2층 [도로명] 부산 수영구 수영로 402 LG Bestshop 남천점 2층 (남천동)	⊜ 혼잡	예약하기	0	
서면서비스센터 (직선거리 4.34 km) [구주소] 부산 부산진구 부전1동 129-1 LG Bestshop 서면점 4층 [도로명] 부산 부산진구 중앙대로 752 LG Bestshop 서면점 4층 (부전동)	● 혼잡	예약하기	0	
휴대폰서비스 센텀분점 (<mark>직선거리 5.22</mark> km) [구주소] 부산 해운대구 재송동 648-1 LG Bestshop 센텀점 1층 [도로명] 부산 해운대구 해운대로 203 LG Bestshop 센텀점 1층 (재송동)		예약하기	0	
휴대폰서비스 부산본점 분점 (직선거리 5.28 km) [구주소] 부산 부산진구 부암동 123-11 LG Bestshop 부산본점 1층 [도로명] 부산 부산진구 시민공원로 11 LG Bestshop 부산본점 1층 (부암동,서면쌍 용스윗닷홀SKY)		예약하기	©	
휴대폰서비스 총렬사분점 (직선거리 6.62 km) [구주소] 부산 동래구 안락동 751-5 LG Bestshop 총렬사점 1층 [도로명] 부산 동래구 총렬대로350번길 10 LG Bestshop 총렬사점 1층 (안락동)		예약하기	0	
해운대서비스센터 (직선거리 7.6 km) [구주소] 부산 해운대구 좌동 1459-5 LG Bestshop 장산역점 2층 [도로명] 부산 해운대구 해운대로 785 LG Bestshop 장산역점 2층 (좌동,까르띠음)	● 혼잡	예약하기	0	
남포서비스 센터 (작선거리 7.93 km) [구주소] 부산광역시 중구 남포동6가 85번지 남포프라자 5층 [도로명] 부산 중구 비프광장로 20 남포프라자 5층 (남포동6가)	⊜ 혼잡	예약하기	0	

현재고객대기상태

현재 서비스센터에서 수리 접수 후 대기 시간입니다. (스마트폰 기준) 분정, 토요일 13:00 이후 및 휴일에는 표시가 되지 않습니다. 사전 **"서비스센터 방문 예약』**을 하시고 방문하시면 **기다림 없이** 서비스를 받으실 수 있습니다.

- 원활: 10분 이내 접수 /수리 시작
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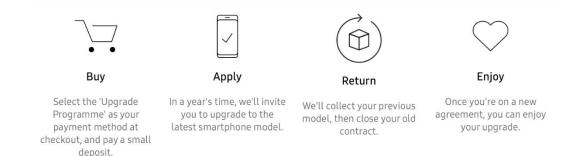
Example of circular business model in the UK:



*Representative example based on cost of Note 8 at £869. Total amount payable is £869.00 spread across a 24 month term at an interest rate of 0% p.a. (fixed), equating to monthly payments of £32.58 and an initial deposit of £86.90.0% APR representative.

Total cost of credit is £0. Terms and conditions apply.

Here's how it works:



Business models that are more circular:

- ✓ Already exist in many parts of the world including developed economies
- ✓ Can be financially viable
- ✓ Deliver service that customers want
- Require understanding of customer needs
- Are best when supported by manufacturers (but they don't *have* to deliver them directly)

The most ethical mobile >

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