we want a magazine.



Welcome to MagCloud

Magazine Publishing Reinvented

Publishing is being democratized, print is becoming personal, users are demanding choice in the content they consume and the manner in which they consume it, and production is being fulfilled on demand. This is especially true in the magazine publishing industry. In the US alone, consumers spend more than \$10B a year on magazines, across 18,000 titles.

Today's magazine readers love choice and want flexibility in what they read, how it's presented and how they receive it.

MagCloud is the codename for an HP
Labs incubation project to evaluate new,
online marketplaces for buying and selling
custom and niche magazines with print on
demand fulfillment. MagCloud is inventing
new ways to bring consumers and publishers
together in a web-based marketplace where
choice, flexibility and print on demand are
the cornerstones of the community.

Making Publishers' Lives Easier

Small independent magazine publishers, online content creators, schools, universities and small businesses can custom publish electronic copies of current and back issues of their magazines and make them available to a broader readership thanks to the MagCloud web portal.

MagCloud takes on the heavy lifting for publishers by providing automated magazine ordering, print management, and advertising aggregation services. Think of MagCloud as a virtual magazine newsstand in the cloud. Readers can discover and order a magazine via the MagCloud web portal and have it delivered right to their doorstep; all while MagCloud is managing the process for publishers.

This service is ideal for publishers of small run magazines – special interest groups, clubs, schools and niche magazines



 looking to minimize their se operational and print costs, an their advertising revenue.

MagCloud also offers a gre opportunity for electronic mag popular blog and website owne looking to provide their reader great content but in a portable printed magazine style format

Magazines on Demand

And thanks to the MagCloud v magazine marketplace, consuraccess to a wide array of speci-

Join the MagCl

WHAT'S MAGCLOUD?





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MAGCLOUD how does it work?





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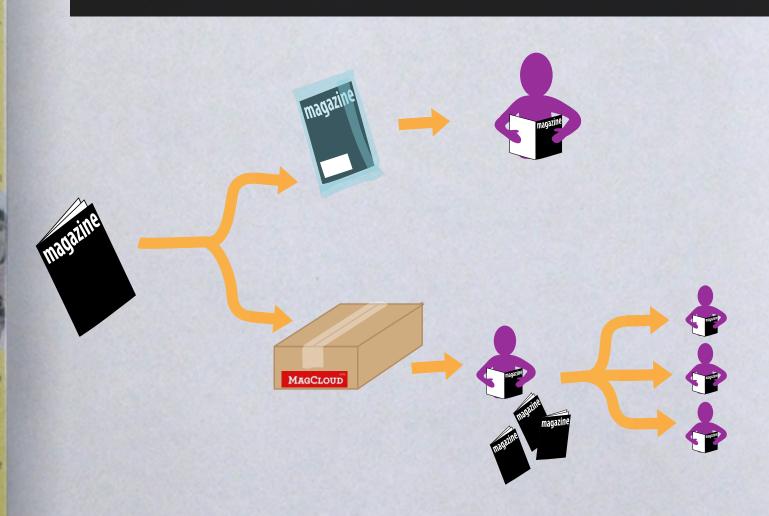
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MAGCLOUD how does it work?







PUBLISHING IS A PROBLEM.

by Kathryn Hautanen, Erin Jacobs, Erica Meade and Kate Ranson-Walsh





BILLION magazines printed each year







35 million trees

To produce the 12 billion magazines printed in the US every year, the publishing industry uses approximately





BILLION METRIC TONS OF CO2 equivalent emissions







SIDE BY SIDE

TRADITIONAL MAGAZINE

subscription/newsstand push model 35% sell-through rate 30 lb paper mass-market

MAGCLOUD

subscription/order pull model print-on-demand 80 lb paper niche



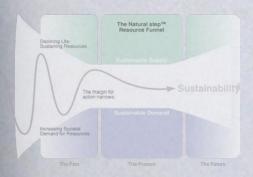




FRAMEWORKS

NATURAL STEP

- + systems conditions
- + backcasting



- only qualitative

LCA

- + industry context
- + specific data



expensive& time consuming

TOTAL BEAUTY

- + provides a baseline
- + comparable metric



incomplete information



NATURAL STEP system conditions

SC 1: CRUSTY

- Metal
- Ink (Pb, Cd, Cr(IV), Hg)
- Oil (shipping, plastics (polybag))
- Ink Cartridges (fossil fuel)
- Photo Imaging Plate
- Oil to transport printer
- Metals to make container ship
- Metals for staples
- Materials for trucks to transport

SC 2: MANMADE

- Plate developer
- Pollution from transport
- Blankets
- Rags
- Foam packaging for printer crate
- VOCs
- Ozone

SC 3: DEGRADATION

- Paper
- Crate
- Clay (for coated paper)

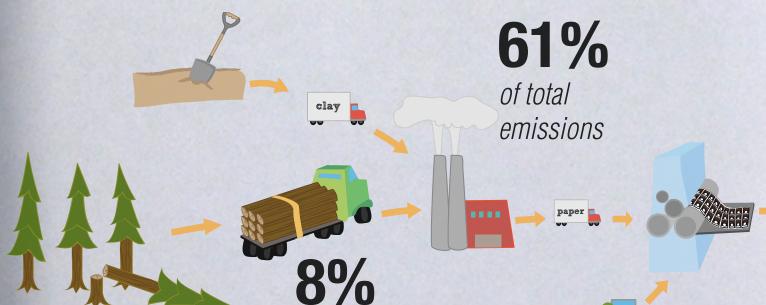
SC 4: HUMAN NEEDS

- Parts and supplies come from all over the world
- VOC emissions and heavy metals affect people who work at the printer
- Physical conditions affect people operating machinery
- Logging industry (occupational hazards)

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aliquid coating on top

TIME LCA what is the impact?



2% of total emissions

of total emissions



4% of total

emissions

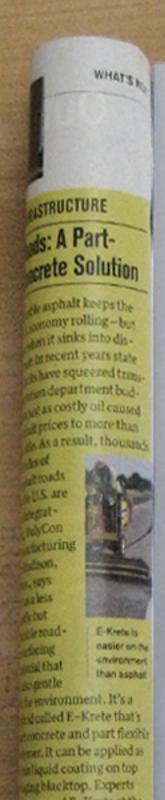


PAPER is the problem



equivalent emissions in a magazine's life cycle.

- Forest Management and Harvesting
- Transportation of wood and clay to the pulp/papermills
 Pulp and Papermill
- Transportation of paper to printers
- Printing
- Transportation and distribution
- Final fate



MAGCLOUD'S paper is better.

Mill/Distributor	SFI	FSC	PEFC	ECF	Recycled Content	Energy Accreditations
Appleton						
Artic Paper						
Avery Graphics						
Blanks USA						
Burgo						
Condat						
Convertible Solutions						
CTI Paper USA						Carbon Neutral, Green-E Certified
Domtar						
Finch						
Gmund						
GPA						
lggesund						Carbon Neutral
International Paper				i		
MacTac Labels					-	
Mohawk				•		Carbon Neutral, Green-E Certified, Green Seal, Green Power
Neenah Paper		•		•	•	Carbon Neutral, Green-E Certified, Green Power
New Page						
Smart Paper						
Spicers						
Wausau Coated						
Wausau Paper						Green Seal



as gentle

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TOTAL BEAUTY how does it compare?

		TIME	MAGCLOUD
CYCLIC	£ }	11	36
SOLAR		49	100
SAFETY		?	?
EFFICIENT	10_1	?	?



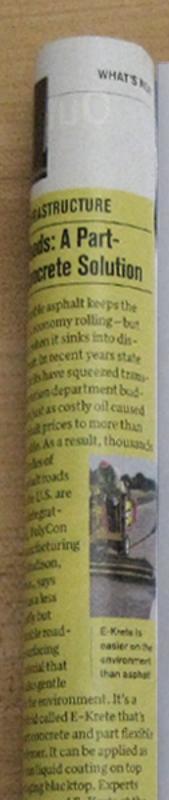


- * uses paper
- * creates waste
- * uses polybags
- * thrown away



NATURAL STEP backcasting

By 2020, we envision the production and distribution of magazines will have minimal impact on the earth.



NATURAL STEP backcasting

This will be achieved by:

- * increased consumer consciousness
- * transparency of environmental impact
- * compostable polybags
- * selective subscription
- * updated newsstand model



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of magazines at newsstands go unsold.





NATURAL STEP backcasting

Digital Newsstand:

- * leverages existing low-cost, print-on-demand technology
- * allows readers to pick and choose sections of a publication
- * reduces waste



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