



# HP PageWide XL 5000 Printer series

Powerful, efficient monochrome and color production with up to 30% savings in total production costs<sup>1</sup>



## LEAD

### Fast delivery times in monochrome and color

- Up to 14 A1/D pages/minute print speed, quick 30-second first page out
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow<sup>2</sup>
- Start printing in 50% of the time<sup>3</sup>—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,<sup>4</sup> up to 4 rolls, dual ink supplies with auto-switch

## GROW

### Fast color, excellent document quality

- Generate new business growth—print GIS map, point-of-sale (POS) poster applications at breakthrough speeds
- Set a new technical document standard with crisp lines, fine detail, and smooth grayscales that beat LED<sup>5</sup>
- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond<sup>6</sup>
- Print on a wide range of media up to 101.6 cm/40 inches—covering ISO/US technical and offset standards<sup>7</sup>

## SAVE

### Cut total production costs up to 30%<sup>1</sup>

- Print monochrome and color technical documents at the same or lower cost than comparable LED printers<sup>8</sup>
- Do it all with one space-saving device for both monochrome and color, or opt for the MFP to print/scan/copy
- Cut job preparation and finishing costs up to 50%<sup>2</sup>
- See up to 5 times lower energy consumption than comparable LED printers<sup>9</sup>

For more information, please visit  
[hp.com/go/pagewidexl/5000series](http://hp.com/go/pagewidexl/5000series)



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best of the best



Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

**Note:** HP PageWide XL printers are not designed to use continuous ink systems. HP PageWide XL printers are designed for ink cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause the printer to fail, and voids the HP ink cartridge warranty.

<sup>1</sup> Production costs savings based on an HP PageWide XL 5000 Printer compared with a combination of a mid-volume monochrome LED printer and a mid-volume color production printer (both under \$40,000 USD) as of April, 2015. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>2</sup> Based on internal HP testing on the HP PageWide XL 5000 Printer compared to preparing and printing the job on two different printers (one comparable monochrome mid-volume LED printer for the monochrome pages and one color printer for the color pages). For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>3</sup> Using HP SmartStream software compared with using equivalent software programs. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>4</sup> The HP PageWide XL Folder and the HP F60 Folder are optional accessories. The HP PageWide XL High-capacity Stacker may be an optional accessory. Options vary by region.

<sup>5</sup> For output produced with HP PageWide XL printers and LED printers from different manufacturers and that represent greater than 50% of the annual shipments of LED printers in North America as of 2014 according to IDC. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>6</sup> Compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>7</sup> ISO/US technical and offset standards include American ANSI and Architectural page size standards, ISO A technical document standard, and ISO B offset page size standard.

<sup>8</sup> Based on supplies and service costs. Monochrome technical document printing costs for comparable mid-volume LED printers based on printers for large-format printing of technical documents at speeds between 8 and 13 A1/D per minute as of April, 2015 which represent more than 80% of the share of mid-volume LED printers in the US and Europe in 2014 according to IDC. Color technical document printing costs for comparable mid-volume color printers based on printers capable of printing 4 A1/D pages per minute or more and under \$50,000 USD for large-format printing of technical documents as of April, 2015 and representing more than 80% of the market in the US and Europe in 2014 according to IDC. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

<sup>9</sup> Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 8 to 13 A1/D pages per minute and which represent more than 80% of the share of mid-volume LED printers in the US and Europe according to IDC as of April, 2015. For testing criteria, see [hp.com/go/pagewidexlclaims](http://hp.com/go/pagewidexlclaims).

Beat record delivery with consolidated workflows—produce mixed monochrome and color sets in 50% of the time.<sup>2</sup> Achieve up to 30% savings in total production costs.<sup>1</sup> Save space and trim workflow cost with a single device for monochrome and color, or print/scan/copy with a multifunction printer.

## HP PageWide Technology

The HP PageWide XL 5000 Printer series includes a stationary 101.6-cm (40-inch) printbar that spans the whole printing width. As paper moves under the printbar, the entire page is printed in one pass, enabling very high printing speeds.



8 HP PageWide XL ink cartridges  
(2 x 400-ml per color with auto-switch)

## HP PageWide XL pigment ink for HP PageWide XL printers

HP PageWide XL pigment ink is specially designed to provide reliable and dependable operation with HP PageWide XL printers and produce high-quality output:

- Dark blacks and vivid colors on a range of media including uncoated bond papers
- Moisture- and fade-resistant prints<sup>6</sup>

## Proven technology for reliable operation

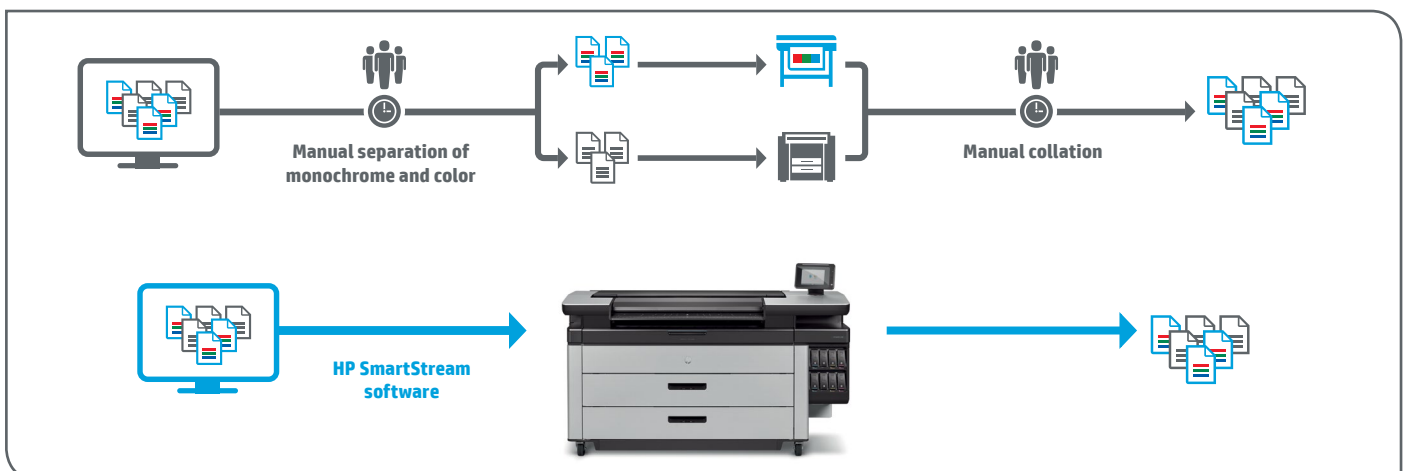
Designed for mid-volume production, the HP PageWide XL 5000 Printer series is based on proven HP PageWide Technology, currently powering HP PageWide Web Presses—producing 4 billion impressions monthly—and HP PageWide Pro and HP PageWide Enterprise printers.

HP 841 PageWide XL Printheads provide reliable and long-life operation, with an average life per printhead of 32 liters of ink.

## Save time and reduce complexity by consolidating your monochrome and color workflows

It is very common to print mixed monochrome and color sets—typically a long and complex process that requires separate printing on different printers as well as manual collation.

Consolidated workflow efficiencies in delivering mixed monochrome and color sets help contribute to up to 30% savings in total production costs.<sup>1</sup> HP SmartStream software can help you improve your technical production workflow efficiency for single, multiple operator environments by preparing your jobs in 50% of the time.<sup>3</sup>



## Print fast, deliver faster

1. Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time<sup>3</sup>
2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 4,<sup>10</sup> HP PageWide XL printers are designed for quick processing, including the most complex jobs
3. Print up to 14 A1/D pages/minute in monochrome and color
4. Reduce the wait for short jobs with a quick, 30-second first page out

## Gain even greater versatility

Expand the versatility of your HP PageWide XL 5000 Printer series with HP and third-party software and hardware solutions, see [hp.com/go/pagewidexl3rdparty](http://hp.com/go/pagewidexl3rdparty).

Cover a wide range of applications with HP large format printing materials optimized with HP PageWide XL printers and pigment inks for high-quality printing, see [HPLFMedia.com](http://HPLFMedia.com). And choose from a growing variety of other commercially available media compatible with HP PageWide XL printers, see [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator).

## Set a new quality standard for technical documents

HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce durable and high-quality output with dark blacks and vivid colors.

Accurate and reliable dot placement results in crisp lines, fine detail, and smooth grayscales. HP PageWide XL printers do not apply heat to the paper as part of the printing process, enabling very high levels of line accuracy ( $\pm 0.1\%$ ).<sup>11</sup>

## Save space and trim workflow cost with a single device for monochrome and color, and print, scan, and copy with a multifunction printer



1. **Up to 4 rolls**—automatic roll switching when a roll is depleted or a different page size is selected.
2. **Dual 400-ml HP ink supplies** with auto-switch—replace used cartridges while the printer is running.
3. **203-mm (8-inch) touchscreen**—**status light reports** current status and provides progressive alerts on potential issues that could impact production (i.e., out of paper or ink).
4. **Top stacker**—designed to save space, with capacity up to 100 pages.
5. **High-capacity output solutions**—HP PageWide XL Folder, HP F60 Folder, and HP PageWide XL High-capacity Stacker specially designed to keep up with HP PageWide XL print speeds.

<sup>10</sup> The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 4 extends APPE's leading edge for print reproduction with new performance efficiencies and breakthrough rendering features. APPE 4 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit [adobe.com/products/pdfprintengine](http://adobe.com/products/pdfprintengine).

# Technical specifications

<b>General</b>	Description	Large-format color MFP or printer	
	Technology	HP PageWide Technology	
	Applications	Line drawings, Maps, Orthophotos, Posters	
	Ink types	Pigment-based (cyan, magenta, yellow, black)	
	Ink cartridges	8 (2 x 400-ml per color) with auto-switch	
	Printheads	8 x HP 841 PageWide XL Printheads	
	Average printhead life	32 liters	
	Printhead warranty	10 liters or 12 months from installation	
	Print resolution	1200 x 1200 dpi	
	Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)	
	Guaranteed minimum line width	0.085 mm (0.0033 in) (ISO/IEC 13660:2001(E)) <sup>11</sup>	
	Line accuracy	±0.1% <sup>11</sup>	
	<b>Print speed<sup>13</sup></b>	Maximum print speed <sup>14</sup>	9 m/min (27.8 ft/min)
		A1/Arch D/ANSI D (long edge first)	14 pages/min, 600 pages/hr
A0/Arch E/ANSI E (short edge first)		7 pages/min, 300 pages/hr	
ISO B1 (long edge first)		10 pages/min	
Warm-up time		No warm up	
First page out		30 sec (from Ready mode)	
Media rolls		2 rolls default with auto-switching, expandable to 4 rolls	
Roll width		279 to 1016 mm (11 to 40 in)	
Roll length		Up to 200 m (650 ft)	
Roll diameter		Up to 177 mm (7 in)	
Roll core diameter	7.6 cm (3 in)		
<b>Media</b>	Printable width	Up to 1000 mm (39.4 in)	
	Printable length	Up to 200 m (650 ft) for CAD and 30 m (98 ft) for poster <sup>15</sup>	
	Media weight	70 to 200 g/m <sup>2</sup> (19 to 53 lb)	
	Media thickness	Up to 0.4 mm (15.7 mil)	
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek®, matte film	
	Media output (standard)	Basket	
	Media output (optional)	High-capacity stacker, online folders, top stacker	
	<b>High-capacity stacker<sup>16</sup></b>	Maximum page size	102 x 122 cm (40 x 48 in) <sup>16</sup>
		Capacity	Up to 150 (A0/E) with the HP PageWide XL Folder Up to 100 (A0/E) with the HP F60 Folder
		Media weight	70 to 200 g/m <sup>2</sup> (19 to 53 lb)
		Dimensions	101 x 125 x 108 cm (55.6 x 49.1 x 42.6 in)
		Weight	140 kg (308 lb)
	<b>Online folders<sup>17</sup></b>	Page width	28 to 91.4 cm (11 to 36 in)
		Page length	Cross fold: 2.5 m (8.2 ft) Fan fold: 6 m (19.7 ft) (standard), unlimited (optional with HP PageWide XL Folder Upgrade Kit for Long Plots)
Media weight for folding		75 to 90 g/m <sup>2</sup> (20 to 24 lb)	
Media weight for stacking		75 to 200 g/m <sup>2</sup> (20 to 53 lb)	
Capacity		Up to 150 (A0) with HP PageWide XL Folder Up to 100 (A0) with HP F60 Folder	
<b>Scanner</b>	Description	91-cm (36-in) CIS scanner	
	Speed	Color: up to 7.62 cm/sec (3 in/sec) at 200 dpi Grayscale: up to 25.4 cm/sec (10 in/sec) at 200 dpi	
	Optical resolution	1200 dpi	
	Scan width	Up to 914 mm (36 in)	
	Original thickness	Up to 0.26 mm (0.01 in)	
	Maximum copy length	9512 mm (374.5 in)	
	Maximum scan length	18 m (708.7 in) (TIFF, 610-mm (24-in) wide original at 200 dpi), 8 m (315 in) (JPEG, 5 m (196.9 in) (PDF))	
	Scan format	Standard: JPEG, TIFF; optional: PDF 1.4, multipage PDF 1.4 (with PS/PDF upgrade)	
	Scan features	Preview with cropping, scan quicksets, batch scanning	
	Scan destination	USB, network folder (SMB), scan to email, scan to HP SmartStream software	
	<b>Embedded controller</b>	Processor	Intel Core i3
		Memory	8 GB DDR3
		Hard drive	1 x 500 GB HDD, self-encrypted with AES-256
		Print languages (standard)	HP-GL/2, PCL 3 Win
Print languages (optional)		Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade)	
<b>Connectivity</b>	Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin	
	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)	
	Printing paths	HP SmartStream software (optional) HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)	
<b>User interface</b>	User interface	203-mm (8-inch) capacitive touchscreen	

<sup>11</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50–60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment inks.  
<sup>12</sup> Measured on HP Universal Bond Paper.  
<sup>13</sup> Print speed while printing to the HP PageWide XL High-capacity Stacker.  
<sup>14</sup> Measured using 91-cm (36-in) print width  
<sup>15</sup> For longer plots (up to 200 m (656 ft)), image quality might be affected.  
<sup>16</sup> Long plots with reduced capacity.  
<sup>17</sup> Printing to non-HP large format printers is done through specific drivers, each of them covering several printers: Océ Windows Printer Driver (WPD), KIP Windows Driver WHQL, RICOH PostScript Driver, Xerox WHQL Driver. For more information, please visit: [hp.com/go/smartstream/trial](http://hp.com/go/smartstream/trial).  
<sup>18</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit [HPLFMedia.com](http://HPLFMedia.com).  
<sup>19</sup> Can be recycled through commonly available recycling programs.

<b>Dimensions (w x d x h)</b>	Printer	1960 x 800 x 1303 mm (77.2 x 31.5 x 51.3 in)
	MFP	1960 x 864 x 1303 mm (77.2 x 34 x 51.3 in) Depth: 800 + 64 mm removable scanner input tray to pass through doorways (31.5 + 2.5 in)
<b>Weight</b>	Shipping	2180 x 1068 x 1764 mm (86.8 x 42.1 x 69.5 in)
	Printer	415 kg (915 lb)
	MFP	430 kg (948 lb)
<b>Environmental</b>	Shipping Printer	521 kg (1149 lb)
	Shipping MFP	546 kg (1204 lb)
	Operating temperature	5 to 40°C (41 to 104°F) Recommended temperature 15 to 35°C (59 to 95°F)
<b>Acoustic</b>	Operating humidity	20 to 80% RH, depending on media type
	Sound pressure	53 dB(A) (printing), 35 dB(A) (ready), <24 dB(A) (sleep)
<b>Power</b>	Sound power	7.1 B(A) (printing), 5.2 B(A) (ready), 4.2 B(A) (sleep)
	Consumption	0.46 kW (typical); 0.8 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
<b>Certification</b>	Requirements	Input voltage (auto ranging) 100-127 / 200-240 V (± 10%), 50/60 ±3 Hz, 10/5 A
	Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC)
<b>Warranty</b>	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KC)
	Environmental	ENERGY STAR, EPEAT Silver, CE marking (including RoHS, WEEE, REACH); in compliance with WW RoHS materials restriction requirements in China, Korea, India, Vietnam, Turkey, Serbia, and Ukraine
<b>Warranty</b>		90 days
Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <a href="http://hp.com/go/learnaboutsupplies">hp.com/go/learnaboutsupplies</a>		

## Ordering information

<b>Product</b>	CZ310A	HP PageWide XL 5000 40-in Printer	
	CZ311A	HP PageWide XL 5000 40-in Multifunction Printer	
<b>Accessories</b>	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit	
	CZ318A	HP PageWide XL Drawer	
	CZ319A	HP PageWide XL High-capacity Stacker	
	CZ320A	HP PageWide XL Top Stacker	
	G6H50B	HP SD 44-in Pro Scanner	
	G6H51B	HP HD 42-in Pro Scanner	
	K5H75A	HP PageWide XL Folder	
	L3M58A	HP PageWide XL Folder with Tab Applicator	
	MOV04A	HP PageWide XL Folder Upgrade Kit for Long Plots	
	W9C05A	HP PageWide XL Folder with Scandinavian Tab Applicator	
	1EW99A	HP F60 Folder	
	1EX00A	HP F60 Folder with Tab Applicator	
	L3J69AAE	HP SmartStream Preflight Manager	
	L3J71AAE	HP SmartStream Preflight Manager One-Year Subscription	
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000 Printer series	
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers <sup>17</sup>	
	<b>Original HP PageWide XL printheads and consumables</b>	C1Q19A	HP 841 PageWide XL Printhead
		F9J47A	HP 841 PageWide XL Cleaning Container
		F9J48A	HP 841 PageWide XL Maintenance Cartridge
<b>Original HP PageWide XL ink cartridges</b>		C1Q65A	HP 843C 400-ml Black PageWide XL Ink Cartridge
	C1Q66A	HP 843C 400-ml Cyan PageWide XL Ink Cartridge	
	C1Q67A	HP 843C 400-ml Magenta PageWide XL Ink Cartridge	
	C1Q68A	HP 843C 400-ml Yellow PageWide XL Ink Cartridge	
<b>Original HP large format printing materials</b>	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified) <sup>18, 19</sup> 914 mm x 152.4 m (36 in x 500 ft)	
	L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) <sup>18, 19</sup> 1016 mm x 91.4 m (40 in x 300 ft)	
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) <sup>18, 19</sup> 1016 mm x 91.4 m (40 in x 300 ft)	
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>18, 19</sup> 914 mm x 91.4 m (36 in x 300 ft)	
	L6B19A	HP Matte Polypropylene, 3-in Core 1016 mm x 45.7 m (40 in x 150 ft)	

Enjoy best-in-class support services, knowing HP works with HP PageWide XL Channel Partners to enable them to be properly trained, certified, and equipped to meet your needs. With efficient support and innovative support features, such as printer self-monitoring, predefined resolution paths, and intuitive maintenance wizards, you can work with confidence every day. For more information, please visit [hp.com/go/pagewidexservice](http://hp.com/go/pagewidexservice).  
 HP Financial Services can help you acquire an HP PageWide XL printing solution and accelerate the benefits to your business. Our solutions can help you increase your flexibility by preserving cash, freeing up budgets with a monthly payment structure, and offering an easy option to upgrade to the latest model when your business is ready. For more information, please visit [hp.com/hpfinancialservices](http://hp.com/hpfinancialservices).  
 Find the media solution that fits your business and your HP PageWide XL printer at [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator).

### Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered<sup>1</sup>
- Free, convenient HP ink cartridge recycling<sup>2</sup>
- FSC®-certified papers,<sup>3</sup> range of recyclable HP media<sup>4</sup>

<sup>1</sup> EPEAT registered where applicable and/or supported. See [epeat.net](http://epeat.net) for registration status and rating by country.  
<sup>2</sup> Program availability varies. Please check [hp.com/recycle](http://hp.com/recycle) for details.  
<sup>3</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC® certified products are available in all regions. For information about HP large format printing materials, please visit [HPLFMedia.com](http://HPLFMedia.com).  
<sup>4</sup> Can be recycled through commonly available recycling programs.

**Please recycle large-format printing hardware and printing supplies.**  
**Find out how at our website [hp.com/ecosolutions](http://hp.com/ecosolutions)**

