**PPT Notes: Existing Technologies**

**Slide 1**

-The theory of Creative destruction again proves true in the evolution of green it technology.

-Older, less efficient, and highly wasteful practices and technology are being thrown out and replaced with environmentally sound, highly efficient and cost effective, recyclable technology.

-This growing trend in IT is gaining popularity not only because it leaves a smaller “carbon footprint”, but more importantly it is cutting costs for companies and raising the bottom line.

**Slide 2**

-The Theory of Creative Destruction is unfolding very rapidly with the rise of green IT

-Here we have just some general new types of green IT technology, some of the more popular new technologies include:

1. Green data warehouses

2. Virtualization

3. Consolidation

**Slide 3**

*-Honda’s new data centers are built from recycled products and technologies comply with new green initiatives*

*-A new Honda model under construction will have an internal data management system which records driving statistics and uses them to evaluate how economically the owner drives*

 *-An environmental rating gauge scores you with leaves, as you drive more environmentally friendly, more leaves light up on dashboard.*

*-The auto will keep running record of how the car has been driven over the entire ownership until that point in time.*

***Planet Hosting services***

*- Is Using the latest* modular cooling technology *from Turbine Air Systems, will accommodate expansion of the company's highly regarded co-location services,*

*-The company's seventh data center - will bring its total data center raised floor footprint to 214,500 square feet.*

*-The company plans to immediately begin colocation pre-leasing on the first 12,000 square feet, which will accommodate approximately* 8,000 servers (businesswire,2008)

 **D-Link of FOUNTAIN VALLEY, Calif.**

**-Has come up with a way to** go green at home- on July 28, 2008 —d-link became the first manufacturer to produce Green home network Wi-Fi routers

-These routers are capable of saving up to 40 percent in power usage over traditional routers.

**HP and IBM**:-also offer an extensive collection of green it services

-The next two slides will discuss some of hp and ibm’s available products and services

**Slide 4**

**Here is a list of Hewlett-Packard’s available products (HP,2009)**

-As one can see, they offer all the more common types of green it services I discussed earlier, the virtualization, consolidation, and green data management, along with several other interesting new technologies as well.

-For example the **Halo telepresence** and videoconferencing solutions offer an alternative to long or even short distant commutes to physical locations for business meetings.

-This allows for knowledge, ideas, data, etc. to be communicated effectively and in a timely manner via internet technology with a live video/audio feed

-This advancement saves fossil fuels, minimizes pollution, and keeps a company’s costs down with less travel costs associated with out of area meetings while keeping that face-to-face integrity of personal meetings in real time.

-Designed by DreamWorks Animation SKG™ in partnership with HP, Halo is…

-The only telepresence offering that’s a truly global, fully managed end-to-end solution

- The only telepresence offering that runs on a private network designed specifically
for video collaboration

-Delivers fully duplexed audio, company-to-company connections via the Halo network and 24/7 support with concierge service

-And Connects multiple studios around the world at one time via HP Halo Multipoint (HP,2009)

**Slide 5**

**-Here are the green it products and services offered by IBM(IBM green,2009)**

-IBM has also been a major provider for green it products

-Follow the link to see just how IBM helped Bryant University to go green

-One product of IBM is the **Virtualization Engine TS7530**

**This engine can…**

Simplify the backup and restore process by incorporating IBM servers, disk and tape into an integrated appliance

Optional high availability features for redundancy limit unnecessary data doubling

Improve growth management up to 1.7 PB

Offer Investment protection with innovation that matters

Manage data growth and cost
Improve restore processes

Utilize High capacity, scalable configurations

Lower total cost of ownership (TCO)

And make for very High Performance (**IBM Virtualization,2009)**

**Slide 6**

-There is even green technology that exist which can grade a company on just how green they are or how much going green could help raise profits and cut costs.

-The first example is by Bob Willard

-These bullets show the benefits of adopting a sustainable business strategy

-Spreadsheets are available for purchase and can help a company decide how green solutions can help (Tuttle-Heap,2008)

-The other links are calculators similar in nature or that help you determine just how green your company really is. Follow them to get an idea of how the calculators work.

**These are just some of the products available and companies involved now in the field of green IT, what will the future of green it bring? Find out on the next web page!**

* **Green IT: Becoming more energy efficient. *Solutions for small and medium businesses. 2009.*** [***IBM's Green IT: Becoming more energy efficient. Solutions for Small and Medium Businesses.***](http://www-304.ibm.com/jct03004c/businesscenter/smb/us/en/solutionsgreen/?&ca=smbGreenIT&tactic=html&me=W&met=inli&re=SMBInfraUS) ***.***
* **Green productivity: moving the agenda.** *Tom Tuttle*, *John Heap*. Bradford: [2008](http://proquest.umi.com/pqdweb?RQT=572&VType=PQD&VName=PQD&VInst=PROD&pmid=11819&pcid=38929091&SrchMode=3). Vol. 57, Iss. 1; pg. 93

[**Green productivity: moving the agenda. International Journal of Productivity and Performance Management**](http://proquest.umi.com/pqdweb?RQT=318&pmid=11819&TS=1231978634&clientId=16748&VInst=PROD&VName=PQD&VType=PQD).

* **Honda Insight to Introduce Ecological Drive Assist System in Spring 2009.** *Anonymous* Washington: [Nov 19, 2008](http://proquest.umi.com/pqdweb?RQT=572&VType=PQD&VName=PQD&VInst=PROD&pmid=34820&pcid=41085531&SrchMode=3)..

[**U.S. Newswire:Honda Insight to Introduce Ecological Drive Assist System in Spring 2009**](http://proquest.umi.com/pqdweb?RQT=318&pmid=34820&TS=1231977820&clientId=16748&VInst=PROD&VName=PQD&VType=PQD).

* **HP’s Green Business Technology Initiative. . 2009** [**HP’s Green Business Technology Initiative.**](http://h71028.www7.hp.com/enterprise/cache/331475-0-0-225-121.html)
* **IBM Virtualization Engine TS7530.** *Open Systems Virtualization for IT Optimization and Simplification.* [*IBM Virtualization Engine TS7530. Open Systems Virtualization for IT Optimization and Simplification.*](http://www-03.ibm.com/systems/storage/tape/ts7530/index.html.2009)
* **In Pursuit Of New Efficiencies, Honda Drives Green IT Effort.** . Manhasset: [Dec 8, 2008](http://proquest.umi.com/pqdweb?RQT=572&VType=PQD&VName=PQD&VInst=PROD&pmid=11647&pcid=41380061&SrchMode=3). , Iss. 1214; pg. 19, 1 pgs *J Nicholas Hoover*.

[**InformationWeek:In Pursuit Of New Efficiencies, Honda Drives Green IT Effort**](http://proquest.umi.com/pqdweb?RQT=318&pmid=11647&TS=1231978413&clientId=16748&VInst=PROD&VName=PQD&VType=PQD)

* **The Planet Expands Co-location Services with New Texas Facility**

 *Anonymous*. [**Business Wire:The Planet Expands Co-location Services with New Texas Facility**](http://proquest.umi.com/pqdweb?RQT=318&pmid=12816&TS=1231978292&clientId=16748&VInst=PROD&VName=PQD&VType=PQD) . New York: [Dec 15, 2008](http://proquest.umi.com/pqdweb?RQT=572&VType=PQD&VName=PQD&VInst=PROD&pmid=12816&pcid=41352461&SrchMode=3).