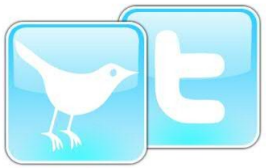
Get Social Roadshow

Industry Collaboration Solutions for Utilities and Energy

Vojtěch Trš
Collaboration Solutions Architect
Portal Technical Leader
IBM Software CEE

Join the conversation



@Lotus_CEE
#getsocial11

Get Social. **Do Business.**

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Market forces shaping customer operations in utility industry

Market drivers

- Environmental concerns and regulation
- Customer involvement
- Technology evolution
- Conservation as an alternative fuel

Customer trends

- Ability to manage and reduce costs
- Less environmental impacts
- More reliable power and accurate bills
- Self-power generation

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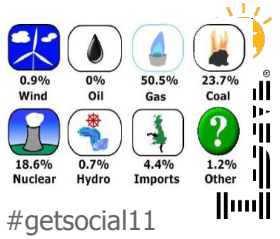
Society and customer drivers

- Push to **reduce carbon emissions** and hit climate change targets.
  - Increased use of intermittent, distributed energy supplies
  - EU bill - cut CO2 emissions by 60% of 1990 levels by 2050
  - USA proposals - cut CO2 emissions by 80% of 1990 levels by 2050, and return to 1990 levels by 2020

- Customers have little idea their energy usage/cost breakdowns.
  - **Only** receive **monthly consumption figure** and amount due
  - Desire to **reduce consumption** → Save Money
    - Find tariff best suited to their consumption profile
    - Incentives/ discounts
    - Changing usage times
  - Some driven by **green agenda**.
    - Ability to view/understand impact on the environment
  - Improved/**personalized experience**
    - Flexibility to manage and pay for consumption (greater choice of billing frequency)
    - Personalized advice/recommendations
    - Personalized notifications/alarms of consumption or events



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Supplier drivers

- **Reducing the cost** to serve through:
  - Lower staffing in call centers (higher bill accuracy, reduced call volumes, etc)
  - Reduced opportunity for energy theft
  - Greater ability to manage and control debt
  - Lower generation and infrastructure costs
- Better **balance supply** and demand
  - Avoid brownouts/blackouts and delay need for new power stations
- Reducing **environmental impact**
  - Meeting government/ global targets for carbon emissions
- Leverage increased volume of **customer information**
  - Richer view of customer profitability
  - Define and target appropriate campaigns and incentives that engage and drive a change in customer behavior
  - Greater understanding of the customer driving smart recommendations and cross sell opportunities

- **Market differentiation** [competitive markets]
  - New value added services for customers opening up new revenue streams – "services beyond the meter"
  - Improved transparency and customer satisfaction driving retention

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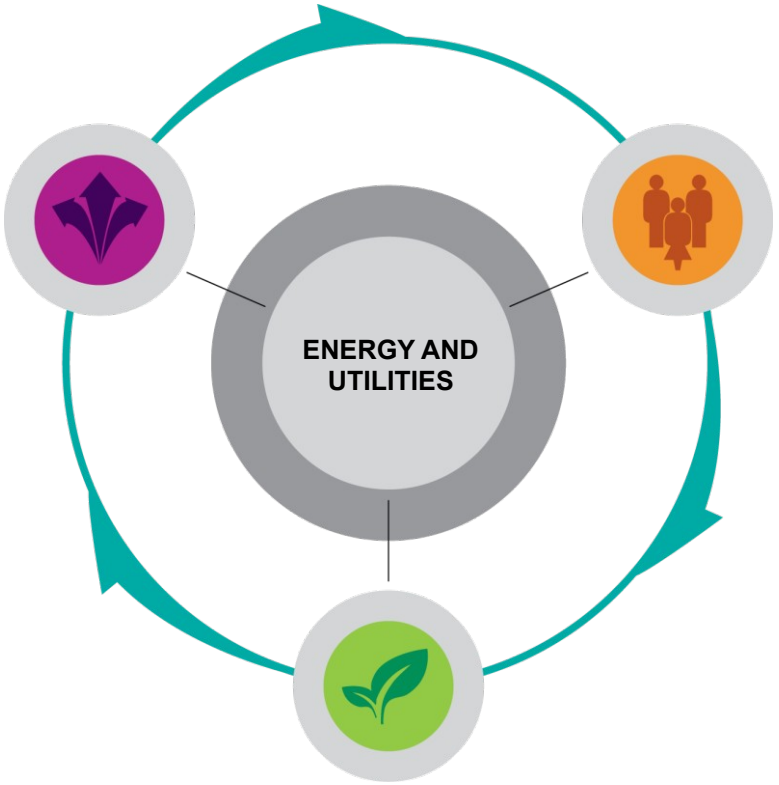
To deliver services more responsibly and more efficiently, energy and utilities organizations are working toward a smarter energy value chain.

TRANSFORMING THE UTILITY NETWORK

Transforming the utility network from a rigid analog system to a dynamic and automated energy delivery system.



EMPOWERING THE CONSUMER

Empowering consumers by providing them with near real-time, detailed information about their energy usage.

ENSURING CLEANER ENERGY SUPPLY

Incorporating renewable energy and electric vehicles into the power grid and meeting stringent greenhouse gas emissions targets while maintaining reliable, cost-effective power supply

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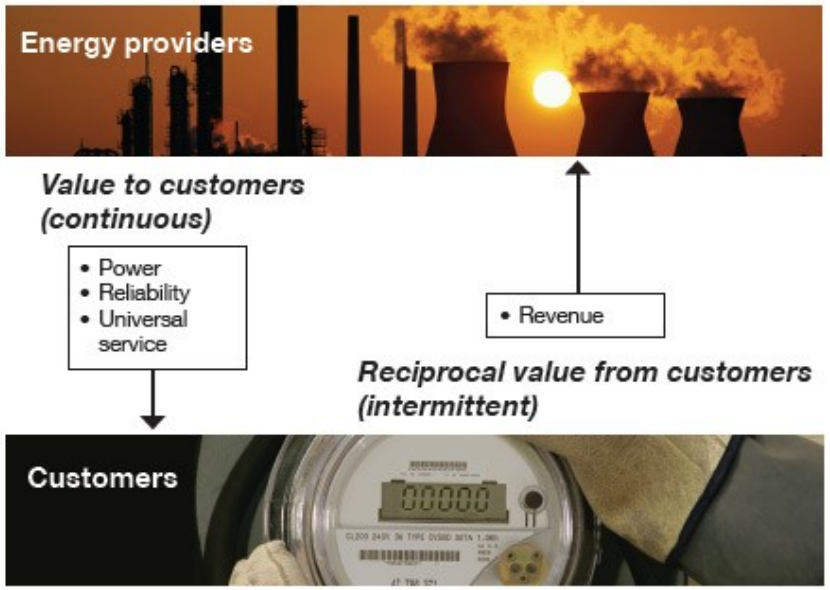
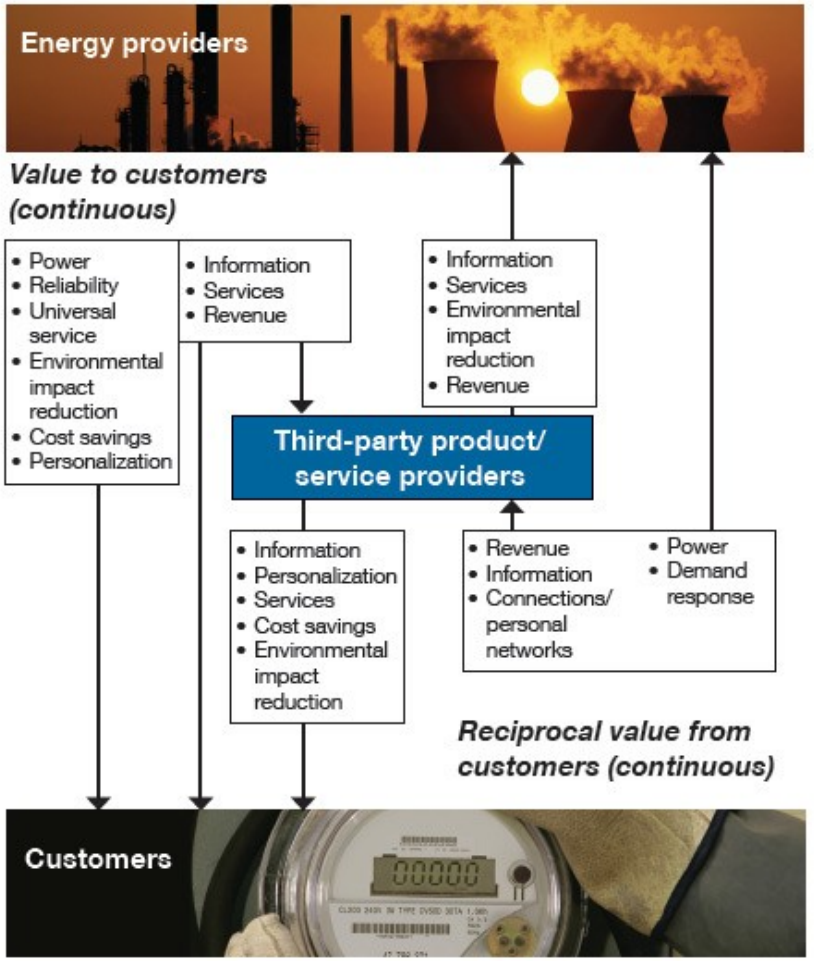
One of the most important shifts brought on by the E&U transition will be to the value model for the industry

Traditional Industry Value Model



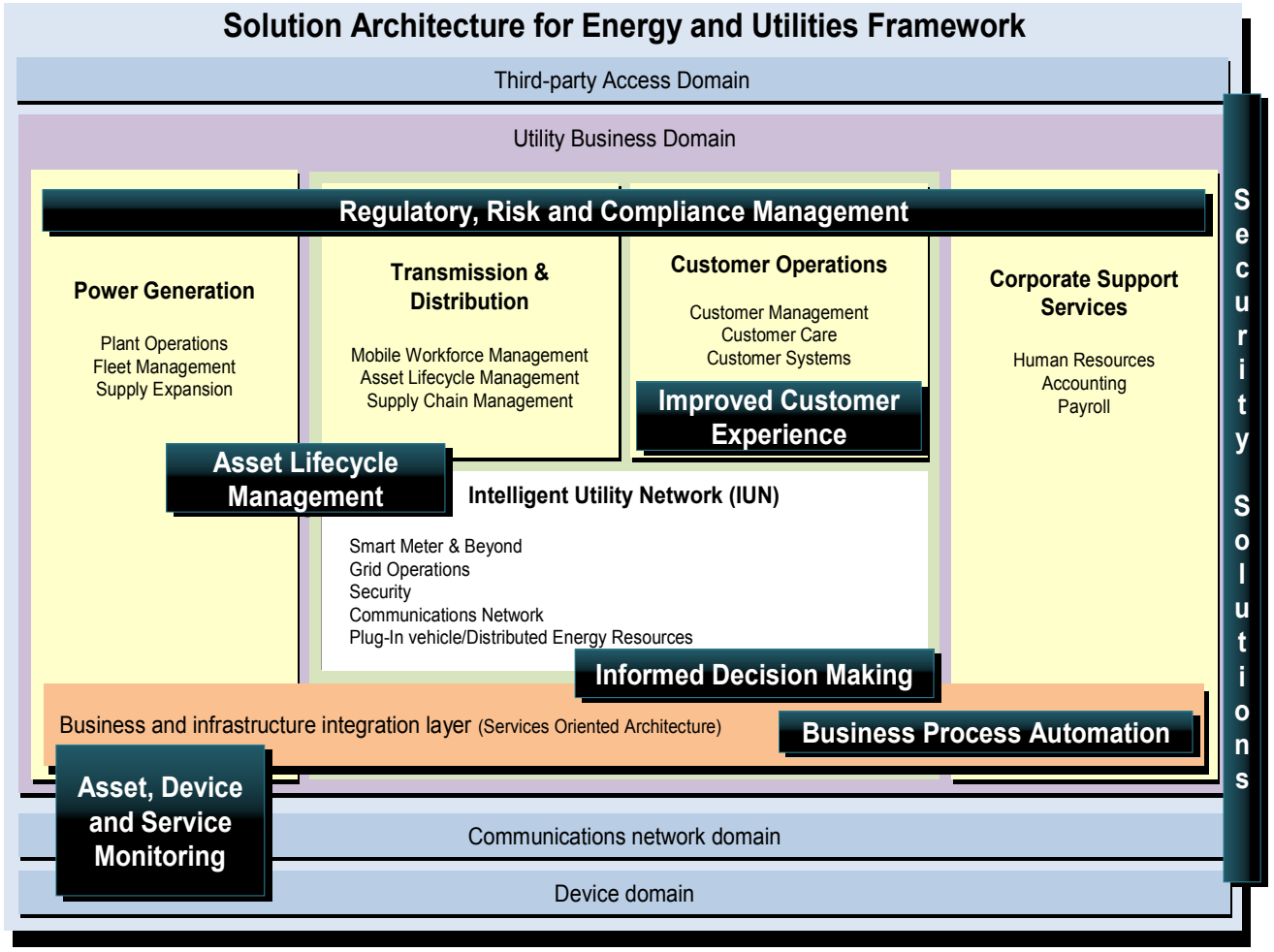
At the same time customers are becoming more demanding, they actually have much more to offer in reciprocal value to energy and other product/service providers.

Emerging Industry Value Model



Source: Jansen, W., W. Steenbakkers, and H. Jagers, New Business Models for the Knowledge Economy, Gower Publishing, 2007; IBM IBV Analysis.

The SAFE framework enables integration of information and processes across the utility company



- Provide solution offerings based on industry assets and best practices that enable agile and efficient operations.
- Provide a framework for transformation that creates flexibility and accelerates the deployment and integration of multiple energy & utilities solutions.
- Provide supporting infrastructure services for a robust, scalable production environment.

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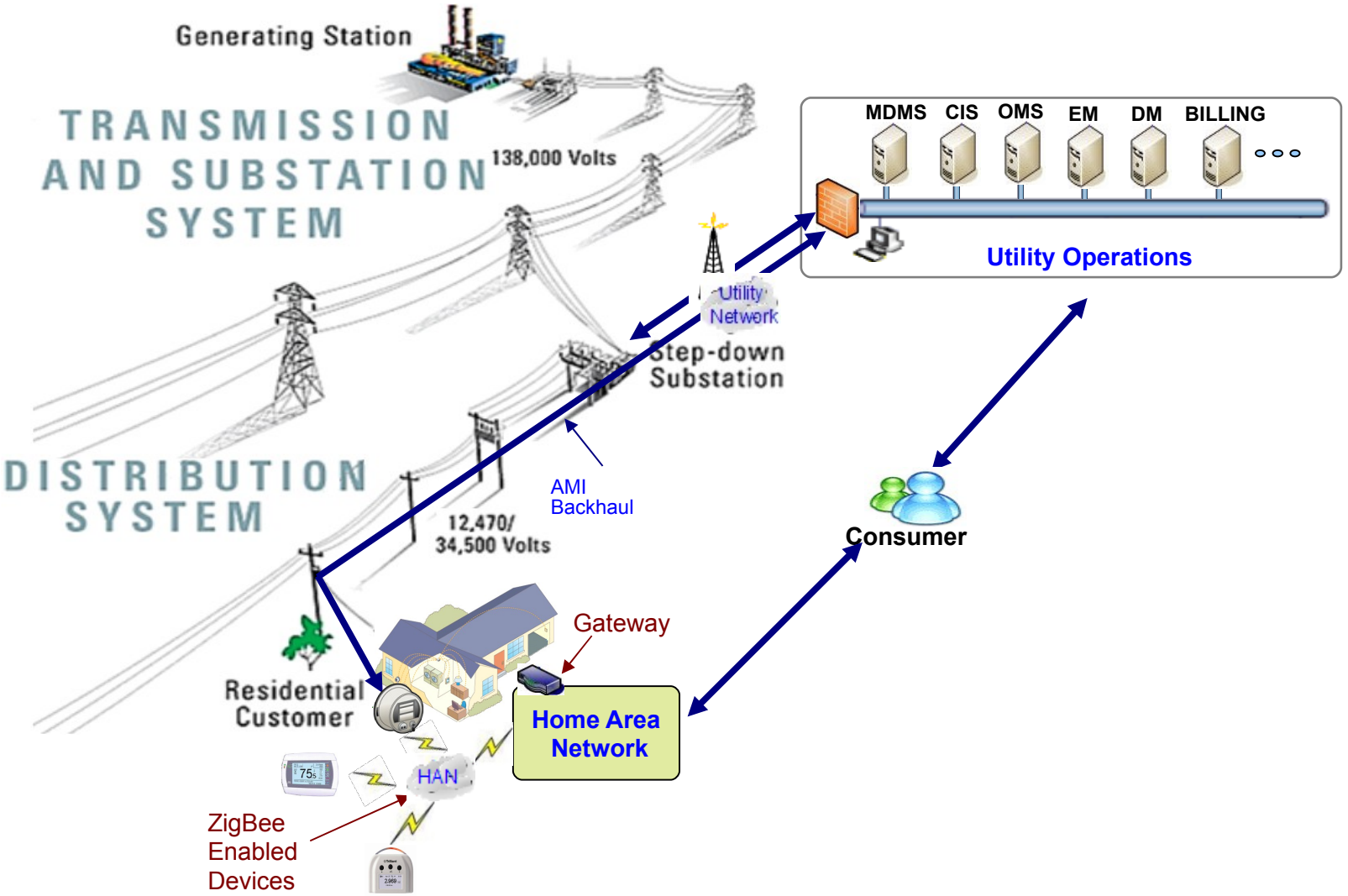
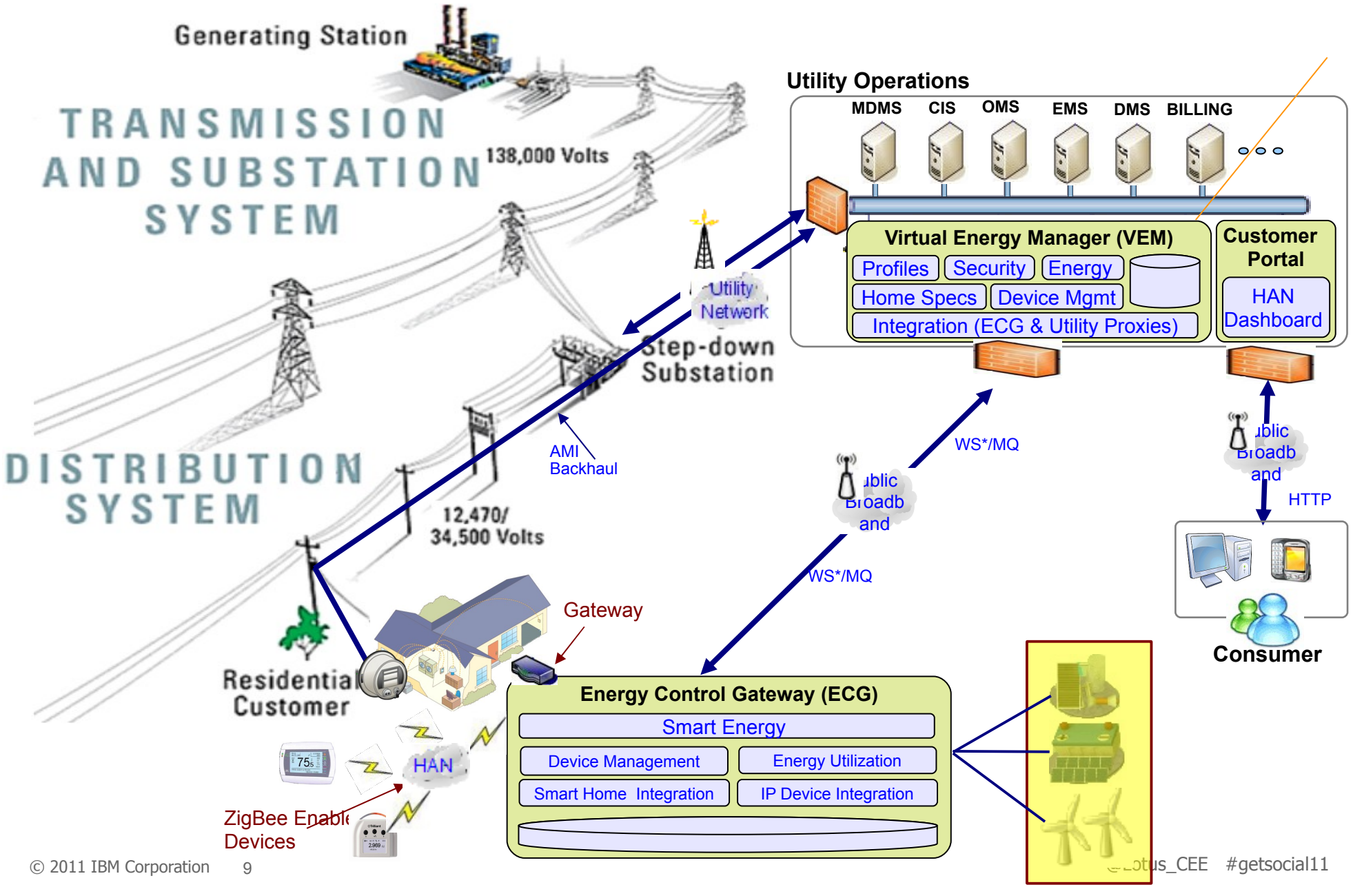
Utility Operations and Home Area Network Solution High Level View

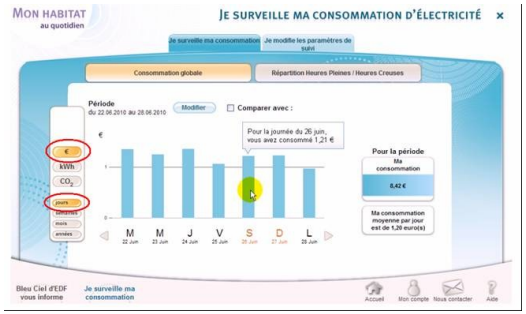
- Improve the customer experience through use of home area network + consumer portal.
  - Provide finer grained information access and control
  - Allow costumer to understand and manage their consumption



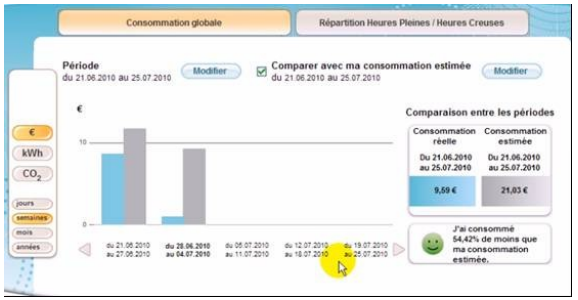
Utility Operations and Home Area Network Solution and Deployment



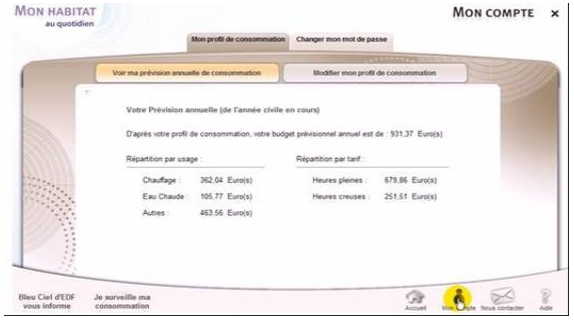
Smart house display and Smart energy (few examples)



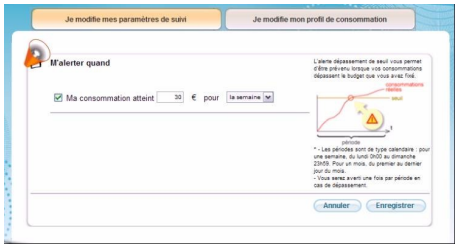
Review of consumption



Actual vs. forecast comsumption



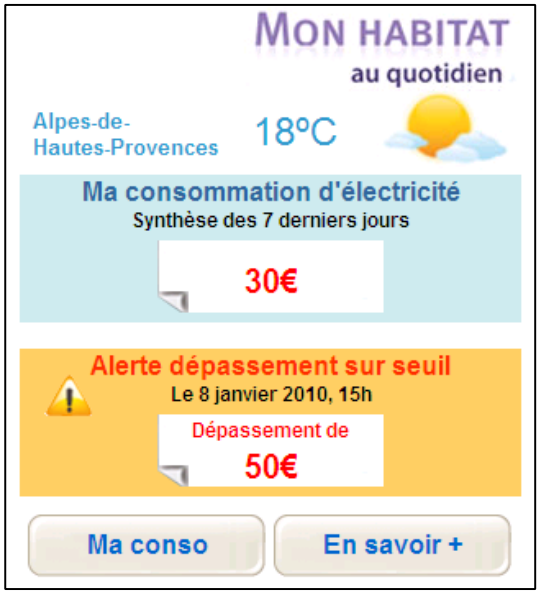
Appliance breakdown and peak vs. off peak consumption

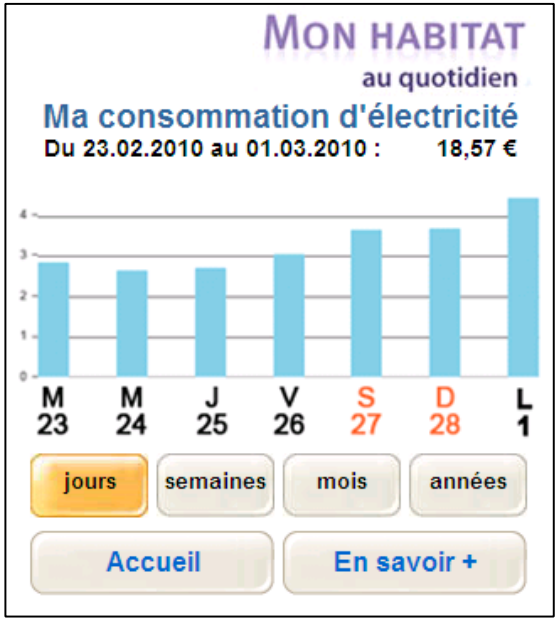


Alarm setting

Review CO2 emissions

Mobile Display : Monitoring and alerts





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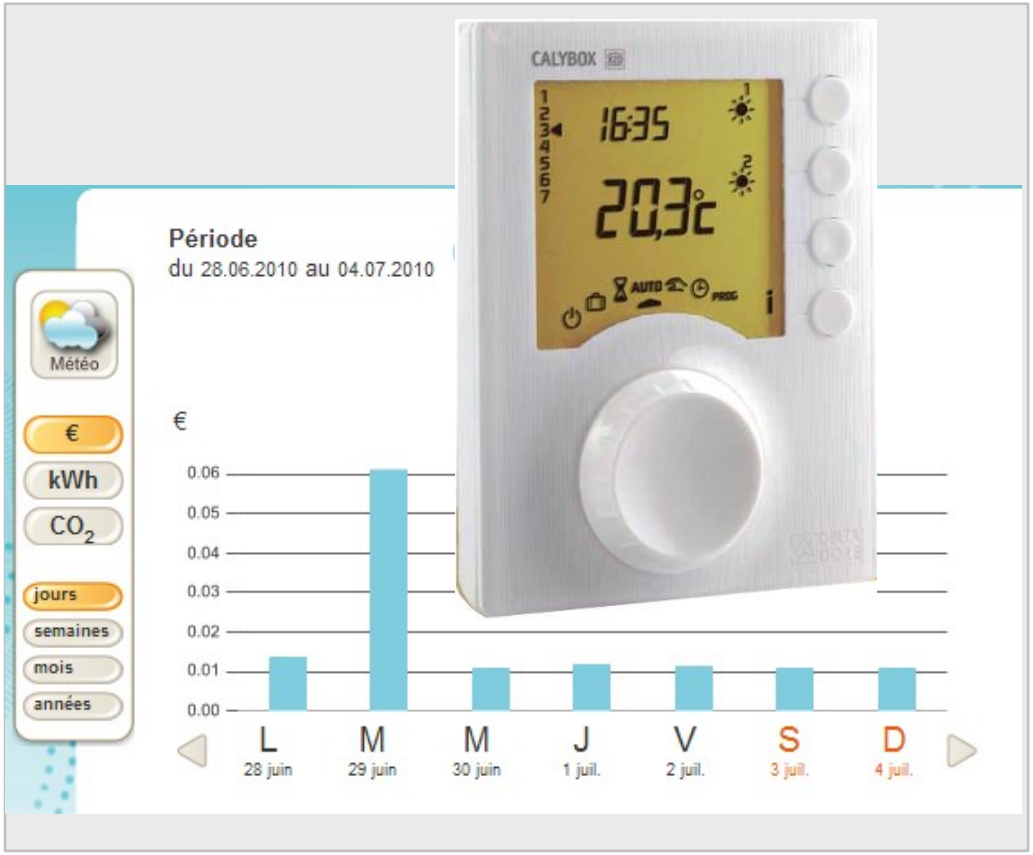
Consumer Energy Management & Control

COT

Solution Asset Definition

Brief Description	In addition to Power consumption, CO2 emissions and Energy cost Tracking (actual versus estimates or historical Data), this solution demonstrates Demand Side Management based on an Energy Service Platform. This innovative solution was designed & built by both Edelia, a subsidiary of EDF, and IBM in partnership with Sagem Communications.
Business Value	- Demonstrate the benefits of Energy Service Platform to empower the Consumer and participate to Demand Side Management. - Illustrate emerging Business Model in E&U Industry.



Integrated Technology

IBM Components	Partner(s) Component(s)
▪Websphere Portal ▪IBM Maximo EAM ▪WS Process Server / ESB ▪DB/2	▪ PI from OSISoft ▪ Energy Gateway from SagemCom

Smarter Planet

Proof points	Asset User (Client/internal)
▪Energy Management ▪Demand Side Management	▪La Gaude ISC ▪Accessible remotely under conditions

Center	La Gaude E&U Sol. Center	Repository	iRAM link	Contact Point	Jean-Francois Mermet/France/IBM

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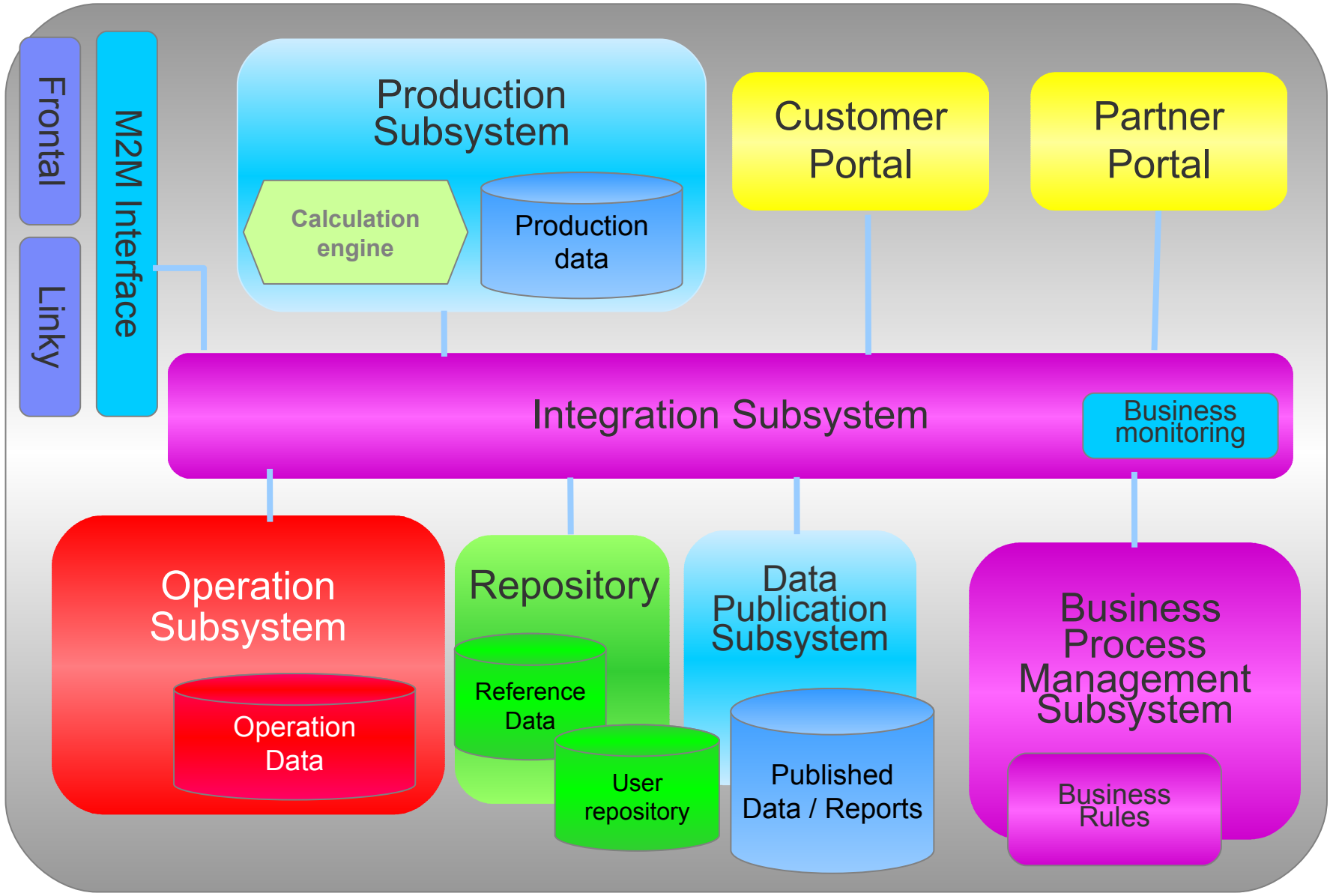
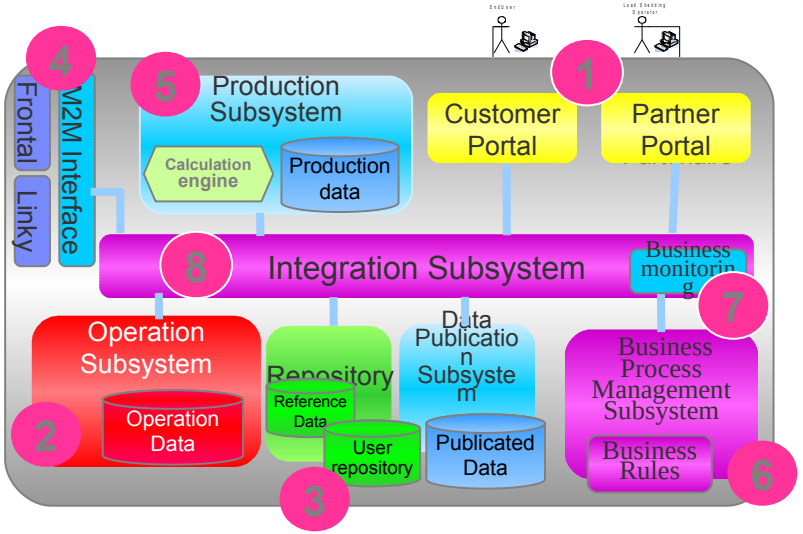
Logical architecture of IBM Solution



Logical architecture



1. Portal

- End user (consumer)
- Partner portal (load control operator)

2. Operations subsystem

- Asset and Inventory management
- Partners (installers, …)
- Work management
- Billing

3. Repositories

- User information
- External data (Weather, Region, …)

4. M2M interface

- Energy box, Linky (AMM), …

5. Production Subsystem

- Data Historian
- Calculation Engine (rating, estimating,…)
- Data processing
- Alarms and alerts

6. Business process management (business rules)

7. Business monitoring

8. Integration subsystem (ESB)

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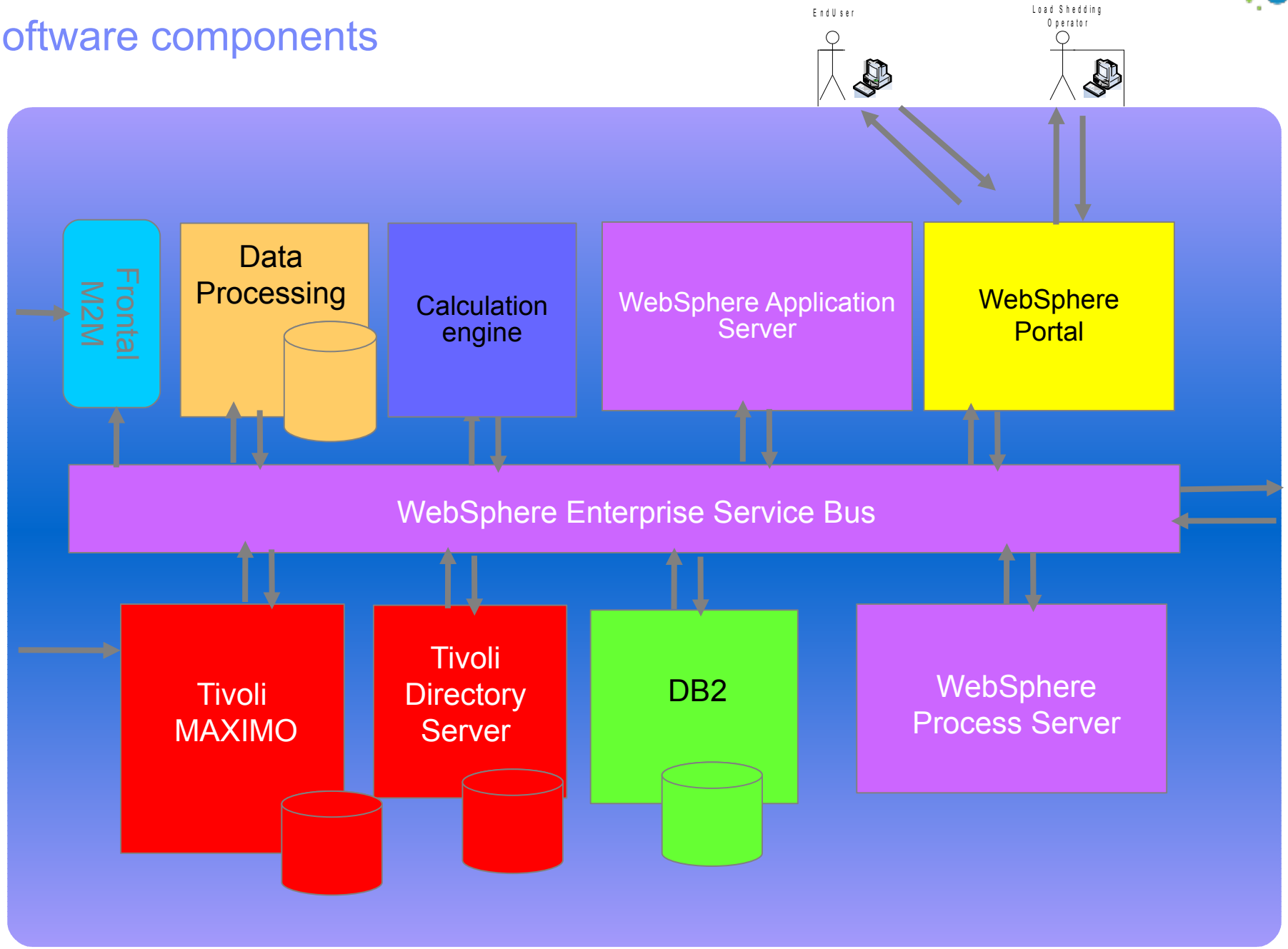
Software components



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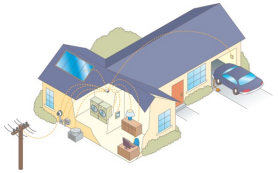
SAFE - Benefits and Differentiators



Home Area Network

- Combined Partner hardware / IBM software solution.
- Decoupled components, extensible Web 2.0
  - Phased deployment - start with basic usage and rate analysis, easily add discussion forums, blogs, and other Web 2.0 capabilities.
- **Alerts/Notifications**.
  - Financial, service and usage communications alerts drive customer behavior
    - Ex: Nearing usage threshold,Bill available, payment reminders via email, SMS, Web Alert. Service notifications via same plus tools like Facebook and Twitter.
- **Collaboration, communities, and social networking.**
  - Increase understanding of consumption relative to others
    - Compare to houses with similar sizes and demographics
    - Provide peer to peer and community based behavior change
  - FAQs (e.g. what is micro-generation)
  - Wikis and forums to communicate ways to improve house efficiency and help others.

- **Best tools on the market (Gartner #1 for 8 yrs running – WebSphere Portal)**
- **Accelerators available to support mobility Out-Of-Box (Mobile Portal Accelerator)**
  - 7000+ devices ..including all major smartphones: (sourcecomScore)
    - Blackberry (41%), iPhone (24%), Android (13%+), Windows (13%), etc..

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Power Saver Home Network

Site Search go

- 16 indicates higher than normal energy demands... e-ALERT: Please reduce personal usage whenever possible...

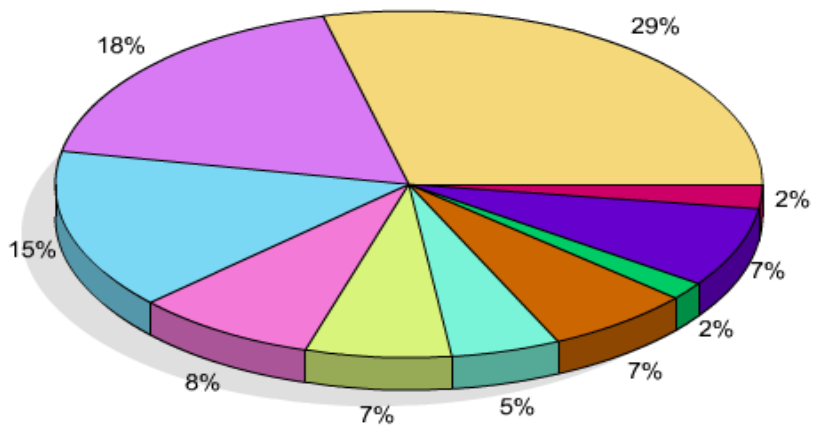
Dashboard | Home Energy Network | Manage Network | Resources | Home Specs

Home Energy Network

Energy Usage

12-month Usage History from: today show: one year

Report Timeframe: Oct 1, 2008 - Sept 1, 2009



Go to Energy Usage Page

Carbon Footprint

Energy Decisions

Energy Optimizer

Manage Network

Access Devices

Access, reset, rename, or add new smart metering devices to your home energy network..

Go to Access Devices

Home Profiles

Enable / edit home use profiles from computer or smart phone.

- At Work
- Home
- Vacation
- Eco Friendly

Go To Home Profiles

Power Saver

Earn 5% discount on power bill by signing up for the Power Saver peak demand usage management program.

Go To Power Saver

Resources

EnergyTips & News

- Alternative energy options
- Articles and podcasts
- Energy optimization sources

Go To Energy Tips / News

Community Pulse

Get involved in the Community

No excuses anymore!
bellemoral 11/22/09

I just did a complete analysis of my household energy use and have put a plan in place that will trim 20% off my bill while using only green power. Check out ...

Go To Community Pulse

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Site Search go

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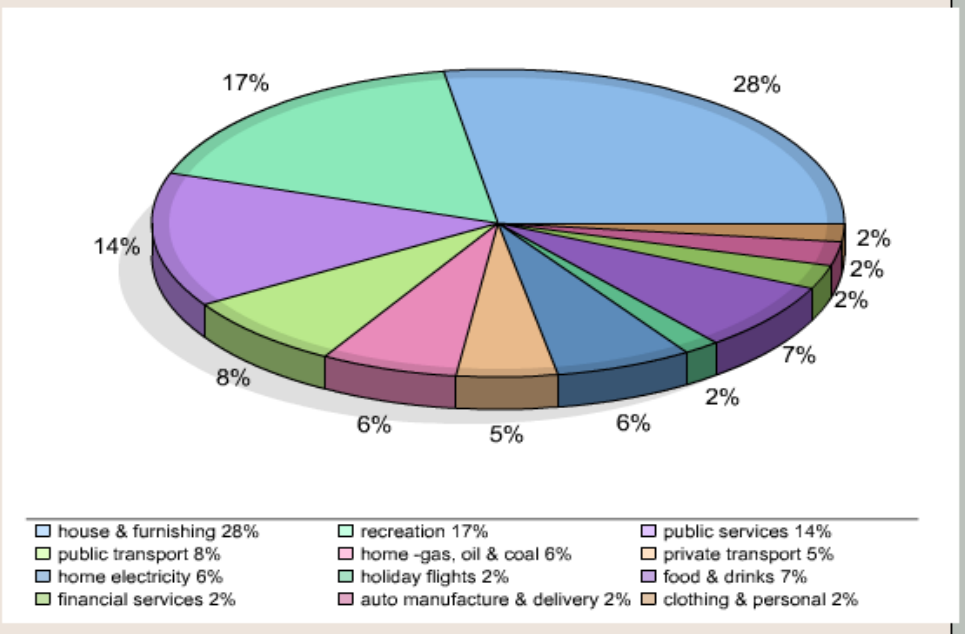
Home Energy Network

Energy Usage

Carbon Footprint

Ready to Calculate Your Carbon Footprint?



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Done

POWER SAVER HOME NETWORK

Site Search go

ALERT: *Please reduce personal usage whenever possible...* **e-ALERT:** *Heat index for July 7 - 16 indicates higher than normal energy demands...*

Home Energy Network

- Energy Usage
- Carbon Footprint
- Energy Decisions

The Energy Decisions energy lifestyle calculator

This tool is designed to help you save money and resources by **making strategic decisions** in your home appliance and energy usage.

Step by step you can see the effect of your decisions in estimated savings to your annual energy bill.

At the end, you can **create a home profile** (a new set of energy device usage targets) which you can **enable** in the Home Profiles section of this application.

Ready to take charge of your energy future?

Go to Energy Decisions

- Energy Optimizer

Manage Network

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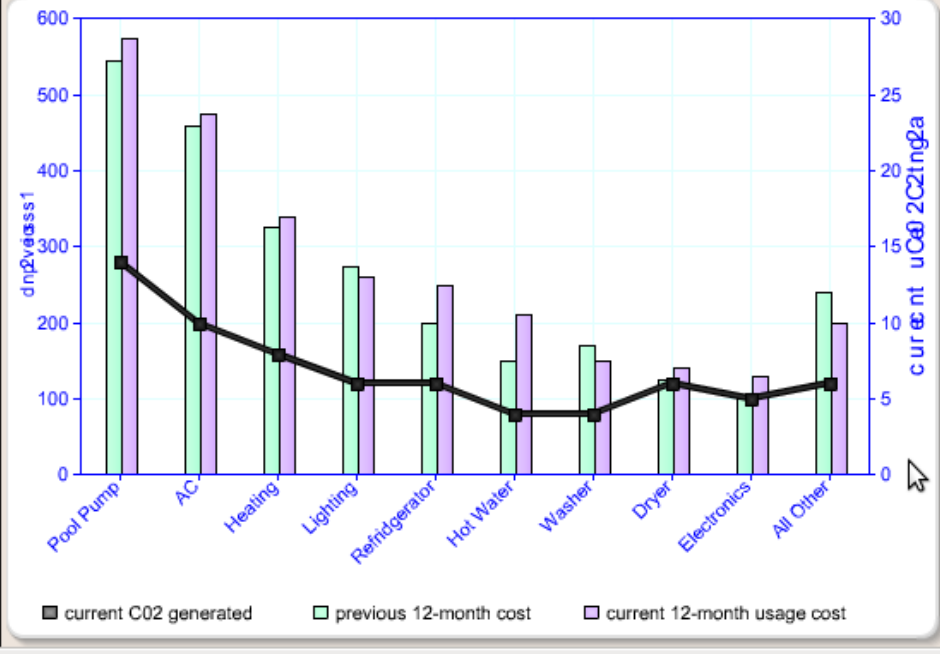
Dashboard | Home Energy Network | Manage Network | Resources | Home Specs

Home Energy Network

- Energy Usage
- Carbon Footprint
- Energy Decisions
- Energy Optimizer

12-month Usage History from: today show: one year

2 year view: Oct 1, 2008 - Sept 1, 2009



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Go To Community Pulse

Done

POWER SAVER HOME NETWORK

uly 7 - 16 indicates higher than normal energy demands... *e-ALERT: Please reduce personal usage whenever possible...*

Welcome to the *Energy Decisions* energy lifestyle calculator

Your household's **current** 12 month energy use history:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4

This tool is designed to help you optimize your energy use by **making strategic decisions** in your lifestyle, home appliance usage, and purchase choices in products that are energy-dependent.

As you step through the process, take note of the **difference** between your current yearly usage and the **estimated effect** for each of your decision options. You may at any point in 12-step process **jump ahead** to a final recommendation based on your established goals, or continue to **refine your decisions**.

At the end, you will be given the choice of **saving these decisions** as an actionable plan moving forward and/or **creating a home profile** (a new set of energy device usage targets) which you can **enable** in the Home Profiles section of this application.

Continue

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energy usage | carbon footprint | energy decisions | energy optimizer |

Priorities & Goals

The calculator is designed to make optimum recommendations based on your established goals. Prioritize the categories below by selecting a value for each. For best results, select only one category for maximum change.

How much of a change do you want to make in each of the following categories?			
saving more $ long term	○ minor	○ medium	◉ maximum
saving more $ short term	○ minor	◉ medium	○ maximum
environmental impact	○ minor	◉ medium	○ maximum
energy reliability for all	◉ minor	○ medium	○ maximum

* Each priority rating affects the other's influence in the overall calculation

Your household's **current** 12 month energy use history:

cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4

Go back Continue

Done

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POWER SAVER HOME NETWORK

7 - 16 indicates higher than normal energy demands... e-ALERT: Please reduce personal usage whenever possible...

Air Conditioning

Air conditioning and heating are the primary energy users in most homes in the your area. Only slight changes in your usage can make a big difference in your bills.

Your household's **current** 12 month energy use history:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4
Estimated **adjustment** to your yearly usage based on decisions:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
2,970	19,800	4

Air Conditioner

- ○ enable minimal use if price/kwh temporarily spikes by 20% or more
- ○ increase current temperature settings by 6 degrees overall
- ○ increase current temperature settings by 4 degrees overall
- ◉ increase current temperature settings by 2 degrees overall
- ○ no change

Go back Continue

Done

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July 7 - 16 indicates higher than normal energy demands... e-ALERT: Please reduce personal usage whenever possible...

Dashboard | Home Energy Network | Manage Network | Resources | Home Specs

energy usage | carbon footprint | energy decisions | energy optimizer |

Pool / Spa

You've indicated you want to maximize your energy savings in the long term. Your home specs show you have a pool and hot tub. Pool/hot tub pumpsand heaters generate 28% of the average household's
energy costs.

Your household's **current** 12 month energy use history:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4
Estimated **adjustment** to your yearly usage based on decisions:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
2,896	19,305	4

Pool / Spa

- ○ enable minimal use if price/kwh temporarily spikes by 20% or more
- ○ increase current temperature settings by 6 degrees overall
- ◉ increase current temperature settings by 4 degrees overall
- ○ increase current temperature settings by 2 degrees overall
- ○ no change

Go back Continue

Done

POWER SAVER HOME NETWORK

Site Search go

ALERT: Heat index for July 7 - 16 indicates higher than normal energy demands... e-ALERT: Please reduce personal usage whenever possible...

The Power Saver Program

Management of rolling brown outs is primary to our company's obligation to the community. You can get a 5% discount on your total energy bill by enabling voluntary usage controls during times of peak demand

Your household's **current** 12 month energy use history:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4
Estimated **adjustment** to your yearly usage based on decisions:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
2,896	19,305	4

Power Saver Options
(see enrollment information on completion of the calculator)

- ○ get 5% discount allowing Power Saver controls during peak demand
- ○ use power saver home profile voluntarily when alerted
- ◉ make no change

(default selection indicates recommendation for meeting established goals)

Go back Continue

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POWER SAVER HOME NETWORK

Site Search go

higher than normal energy demands... e-ALERT: Please reduce personal usage whenever possible...

Dashboard | Home Energy Network | Manage Network | Resources | Home Specs

energy usage | carbon footprint | energy decisions | energy optimizer |

Price Management

The price for energy goes up as demand exceeds supply. You can enable your home profile to go to minimum use when the price exceeds a given percentage of that day normal pricing.

Price Management
(select a % over normal rates where minimal use should be enabled)

- ○ enable minimum use usage prices increase by 15%
- ○ enable minimum use usage prices increase by 20%
- ○ enable minimum use usage prices increase by 50%
- ◉ enable minimum use usage prices increase by 75%
- ○ make no change

(default selection indicates recommendation for meeting established goals)

Your household's **current** 12 month energy use history:

cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4

Estimated **adjustment** to your yearly usage based on decisions:

cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
2,867	19,112	4

Go back Continue

Done

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energy usage | carbon footprint | energy decisions | energy optimizer |

Congratulations!

You have one more step to take to complete you savings.
Click the "Save Profile" button below.

Save Profile

* Estimated savings are based on city-wide average kwh costs for the last 12 months

Your household's **current** 12 month energy use history:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4
Estimated **adjustment** to your yearly usage based on decisions:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
2,867	19,112	4

Now that you've taken this first step toward personal energy management, consider these follow-up options to help put your decisions into action.

View My Plan

View a summary of your energy decisions including tips on how to put your plan into action. You can save, print, or email it to family & friends

view plan

Save as Home Profile

Turn your decisions into a home profiles, which when enabled,in My Profiles will reset your home's smart meters to reflect your energy decisions.

save profile

Enable Power Saver

Earn 5% discount on power bill by signing up for the Power Saver peak demand usage management program.

learn more

Enroll in Green Choice

Pave the way for alternative energy resources by electing to power your home using only energy sources deemed 'Green' by the DOE.

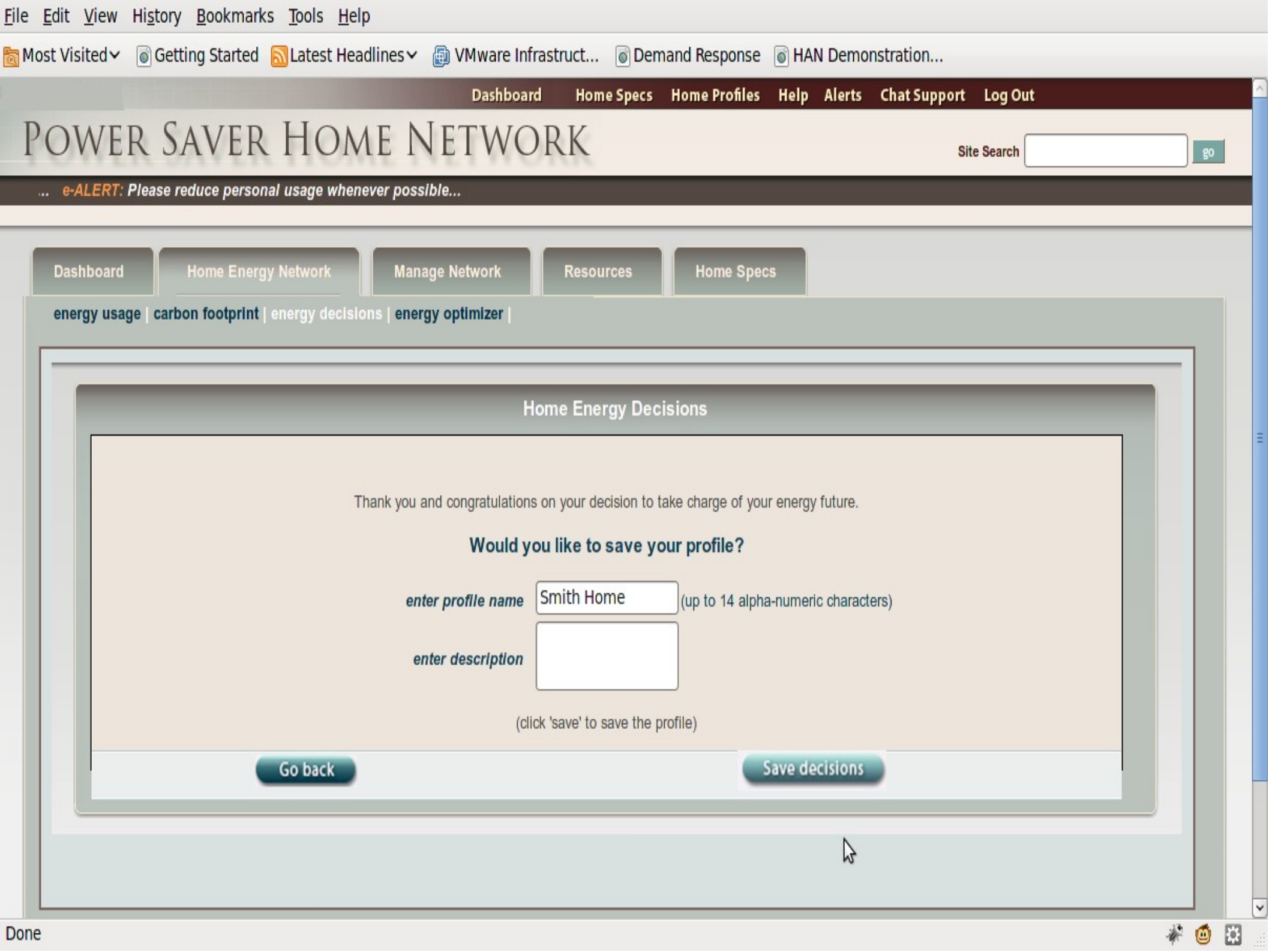
learn more

Get eMail Reminders

Pave the way for alternative energy resources by electing to power your home using only energy sources deemed 'Green' by the DOE.

sign up now

Done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Home Specs
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Home Energy Decisions
Thank you and congratulations on your decision to take charge of your energy future.
Would you like to save your profile?
enter profile name
Smith Home
(up to 14 alpha-numeric characters)
enter description
(click 'save' to save the profile)
Go back
Save decisions
Done

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energy usage | carbon footprint | energy decisions | energy optimizer |

Congratulations!

You have stored your decisions by creating a new profile:

Profile: Smith Home

Continue to Dashboard

* Estimated savings are based on city-wide average kwh costs for the last 12 months

Your household's **current** 12 month energy use history:		
cost (dollars)	usage (kilowatt hrs)	CO2 generated (tons)
3,000	20,000	4
Estimated **adjustment** to your yearly usage based on decisions:		
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Dashboard | Home Energy Network | Manage Network | Resources | Home Specs

Home Energy Network

- Energy Usage
- Carbon Footprint
- Energy Decisions

The *Energy Decisions* energy lifestyle calculator

This tool is designed to help you save money and resources by **making strategic decisions** in your home appliance and energy usage.

Step by step you can see the effect of your decisions in estimated savings to your annual energy bill.

At the end, you can **create a home profile** (a new set of energy device usage targets) which you can **enable** in the Home Profiles section of this application.

Ready to take charge of your energy future?

Go to Energy Decisions

- Energy Optimizer

Manage Network

Access Devices

Access, reset, rename, or add new smart metering devices to your home energy network..

Go to Access Devices

Home Profiles

Enable / edit home use profiles from computer or smart phone.

- At Work
- Home
- Vacation
- Eco Friendly

Go To Home Profiles

Power Saver

Earn 5% discount on power bill by signing up for the Power Saver peak demand usage management program.

Go To Power Saver

Resources

EnergyTips&News

- Alternative energy options
- Articles and podcasts
- Energy optimization sources

Go To Energy Tips / News

Community Pulse

Get involved in the Community

No excuses anymore!
bellemoral 11/22/09

I just did a complete analysis of my household energy use and have put a plan in place that will trim 20% off my bill while using only green power. Check out ...

Go To Community Pulse

Done

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POWER SAVER HOME NETWORK

Site Search go

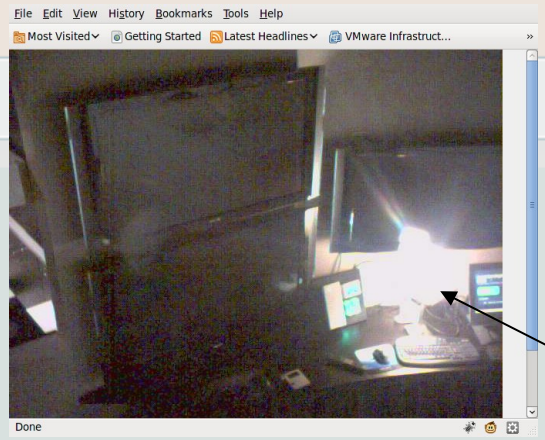
Dashboard | Home Energy Network | Manage Network | Resources | Home Specs

home profile | power saver | access devices |

Manage your Home Energy profiles

Profile Name	Description	Status	Enable	Edit	Details
Smith Home		Inactive	Enable	edit	detail

Refresh Page



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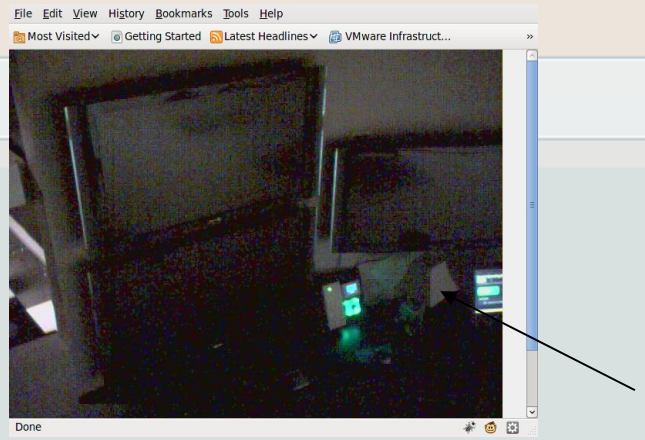

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Home Energy Network

Energy Usage

Carbon Footprint

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Done

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home profile | power saver | access devices |

Be a part of the solution with *Power Saver* and save 5% on your power bill!

During periods of peak demand or large scale power production failure, emergency power has to be purchased and re-channelled to the trouble spots at great expense and often too late to avoid the rolling brown outs that result in power shut downs across entire neighborhoods

Austin Energy is introducing a voluntary program called Power Saver to help avoid catastrophic failures of this kind. It automatically lowers usage on high demand appliances such as air conditioners during these peak demand or emergency situations

Signing up for the Power Saver program will save everyone money and help assure uninterrupted power service to the community at large. For this assistance, Austin Energy is offering a 5% rebate on your yearly power bill.

If you want to enroll Click the "Enroll" button

Enroll in Power Saver

Done

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Thank you for enrolling in the Power Saver Program

Return to Dashboard

Done

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home profile | power saver | access devices |

Manage your Home Energy profiles

Profile Name	Description	Status	Enable	Edit	Details
Power Saver Profile	Profile to handle power saver program signals	Active	Disable	edit	detail
		Active	Disable	edit	detail

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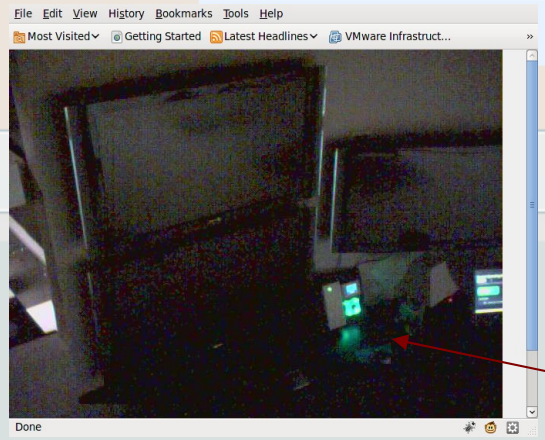

Ecobee Thermostat

Done

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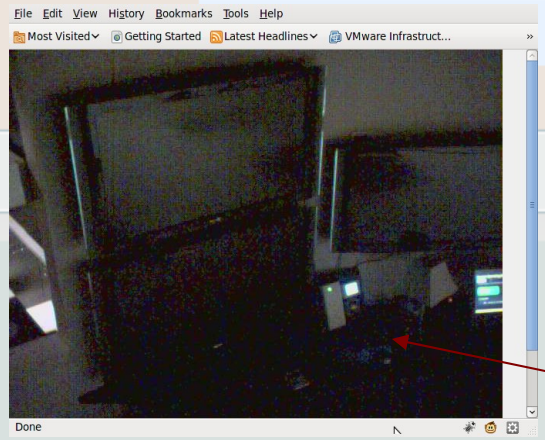
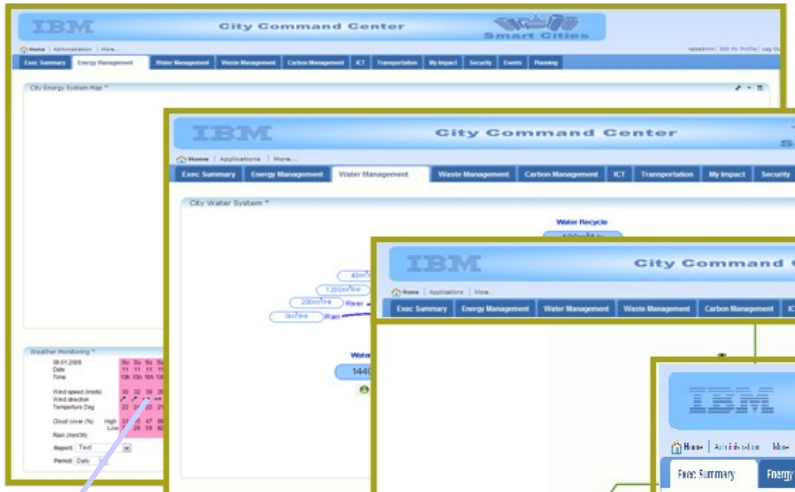


Ecobee Thermostat after Demand Response signal

Done

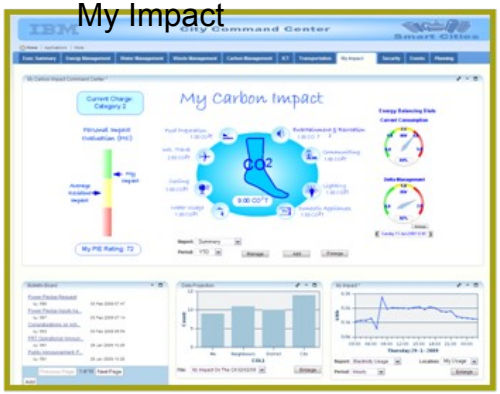
City Command and Control Center
Monitoring and alerts



Energy Management

Water Management

Transportation Management



My Impact

Emergency Response (VOC)

ICT

Executive Scorecard

Polutions Management

City Command Center

Smart Cities

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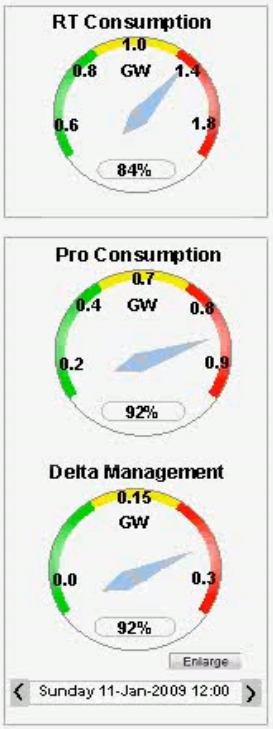
Exec Summary | Energy Management | Water Management | Waste Management | Carbon Management | ICT | Transportation | Security | WC Incidents | Planning

Realtime Executive Command Centre *

Sectors	Actual	Planned
Energy Management		
Generation	1.35GW	1.6GW
Usage	1.35GW	1.4GW
Water Management		
Supply	1440m³/Hr	1800m³/Hr
Disposal	1100m³/Hr	1000m³/Hr
Usage	1100m³/Hr	1800m³/Hr
Transportation		
Pods in Service	50	52
Passanger Numbers	50	100
PRT Wait Time	20	30
Carbon Management		
Carbon Run Rate	42tco2	50
Carbon Footprint	800tco2	1000
Waste Management		
Recycle	800T	800T
Security		
ICT		

Manage Add

Energy Balancing Dials



Gas

Initializing...

Alarm Management

Serviceability Date: 01.2009

Site	Status	Actual	Actual %
IT Security Status		8	80
Int Security Level		4	40
Ext Security Level		3	30
University Sec Level		1	10
Command Centre Status		1	10

Masdar Map

City Command Center

Smart Cities

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Exec Summary | Energy Management | Water Management | Waste Management | Carbon Management | ICT | Transportation | Security | WC Incidents | Planning

Bulletin Board

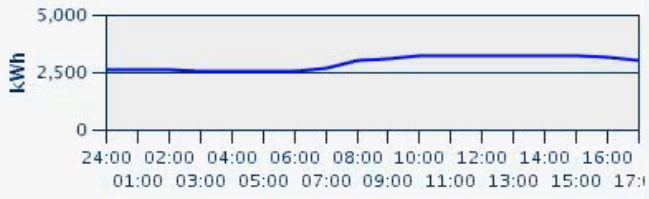
Sandstorm Warning: Expected to hit the City ...
masdar1 - All

Public Announcement: Energy Conservation Mod...
masdar1 - All

Unplanned GHG power generation planned for S...
masdar1 - All

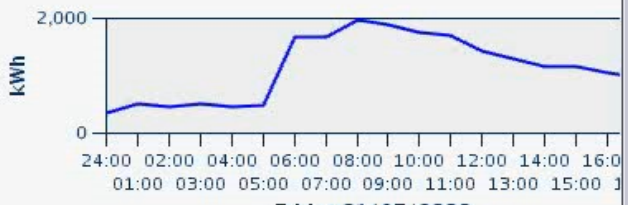
Manage | Add

Electricity



Report: Electricity Usage | Location: All DUB
Period: Hourly | Unit: kWh

Gas



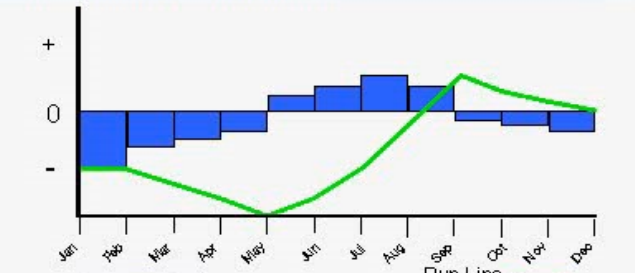
Report: Gas Usage | Location: All DUB
Period: Hourly | Unit: kWh

Environmental Conditions

No data available

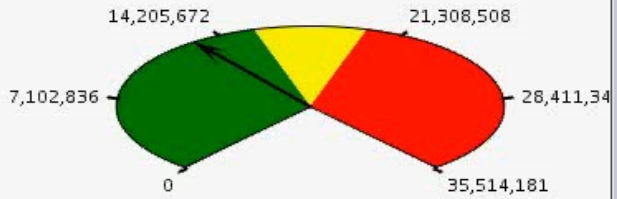
Report: Degree Days | Location: Campus Dublin
Type: | Sub-Location:
Period: Daily | Celsius

Carbon Footprint Management *



Period: Monthly
Report: CO2 Projected | Enlarge

Carbon Emissions Run Rate

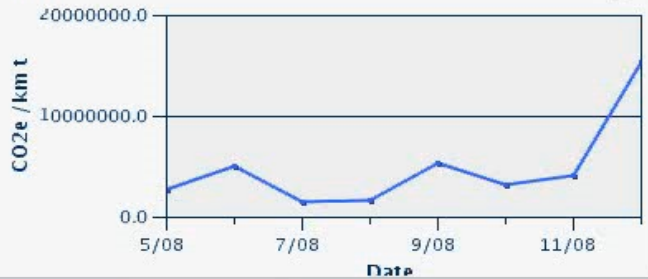


Decreased

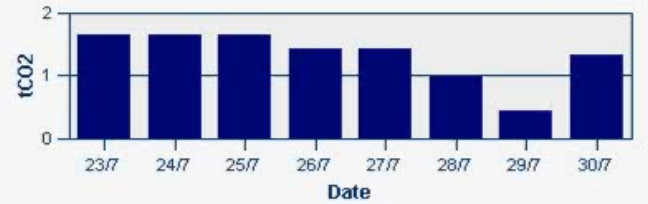
Date: 03/04/200 | Location: All
Period: YTD | CO2 | Enlarg

GHG Protocol Scope 3 Emissions - Outbound

LOGX



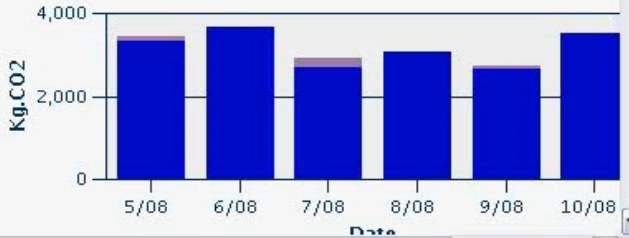
Masdar Gas Carbon FT *



Actual Usage

Report: Gas Usage | Location: Masdar

GHG Protocol Scope 3 Emissions - Business Travel



Vychodoslovenska energetika

- Východoslovenská energetika a.s. (VSE) is a energy company which provides comprehensive services related to electricity off-take.

- Business activities of VSE are the purchase of electricity from producers and its sale to approximately 500.000 customers – households, companies and organizations, accounts, and key accounts. By means of Integrated Power Supply Contracts VSE provide comprehensive services in the area of electricity sale and distribution. The shares of VSE are owned by Fond národného majetku (National Property Fund) (51 %) and the German Group RWE (49 %).

- **Business need:** Provide integrated business information; Enhance enterprise communication and collaboration Simplify enterprise-wide user experience; Reduce costs of doing business
- **Solution:** IBM WebSphere Portal, IBM WebSphere Process Server, IBM WebSphere ESB, IBM partnership now going to next phase to Get Social with customer feedback and capable to power Smart Houses and Smart Cities

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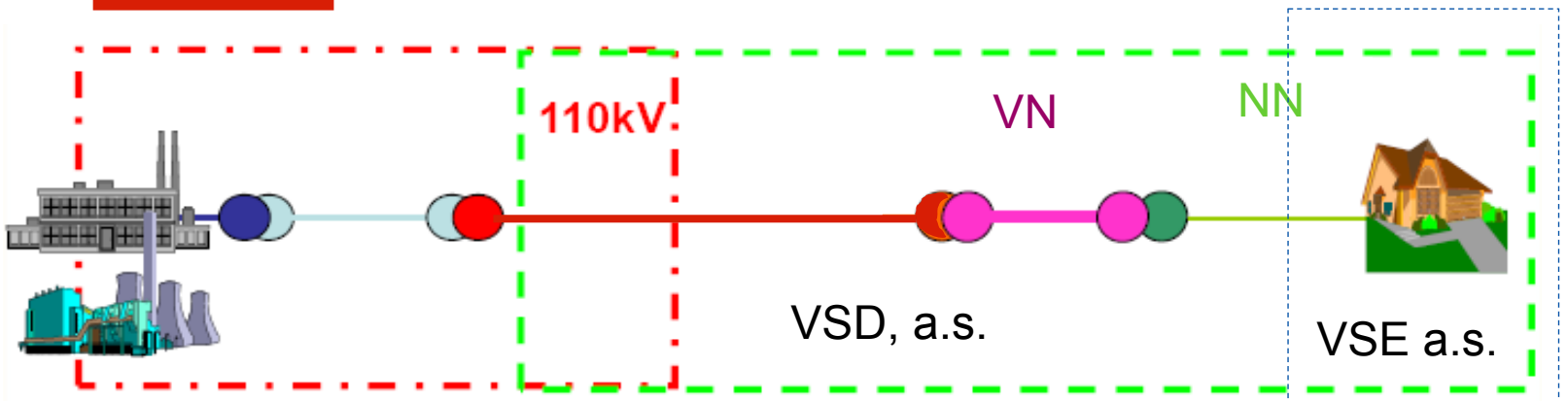
RWEGROUP

Electricity



Gas

RWE Gas

Territory	15 746 km²
Networks	21 500 km
Customers (2010)	609 554
Distribution (2009)	3 386 GWh

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Východoslovenská energetika a.s. - Energy for your comfort - Mozilla Firefox

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RWE GROUP

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WE BRING ENERGY TO THE ROADS

E-mobility

RWE Gas Slovensko

Your affordable and reliable partner

SAVE ENERGY AND YOUR WALLET!

Tips to save money and protect the environment www.SetrimeEnergiu.sk

We opened a new customer centre in Spišská Nová Ves.

Home

News

08.03.2011 VSE made a step towards the develoment of e-mobility

02.03.2011 The Energetika 2011 contest has its finalists

17.02.2011 VSE supports research and conservation of protected bird species in eastern Slovakia

08.02.2011 We drew the winners of the children's section of our customer magazine VSEnergia for your home

01.02.2011 VSE will support the construction of new leisure zones in eastern Slovakia

13.01.2011 The new company RWE East began to manage the activities of the RWE Group in Central, Southeastern Europe and Turkey

VSE Hotline **0850 123 333**

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Východoslovenská distribučná, a.s. - Distribution system operator - Mozilla Firefox

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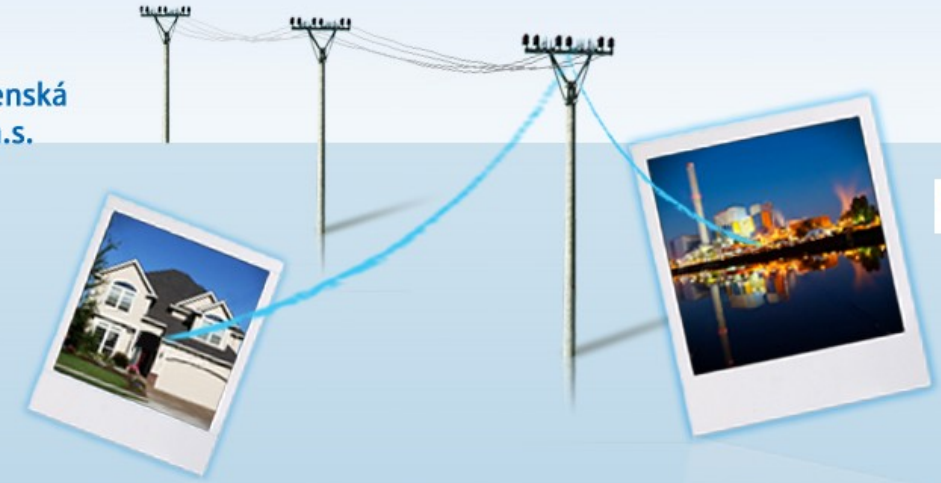
Log In Site Map



Connection and change of a point of supply

Frequently asked questions

Pricelists

Documents

Home

News

22.02.2011 Odborný seminár v Košiciach

01.12.2010 Prices for electricity distribution will fall by an average of 0.5 %*

16.11.2010 Informácia pre žiadateľov o pripojenie zariadenia na výrobu elektriny do distribučnej sústavy spoločnosti Východoslovenská distribučná, a.s.

11.10.2010 Announcement for operators of local distribution systems

23.05.2010 Removing the effects of floods in full deployment

Koordinačné stretnutie s investormi

Vážení zákazníci a investori,

oznamujeme Vám, že 16. 3. 2011 od 10.00 do 15.00 hod. zorganizujeme na Mlynskej 31 v Košiciach koordinačné stretnutie s investormi, ktorí máju záujem pripojiť výrobné zariadenie výrobcu elektriny k distribučnej sústave do napäťovej hladiny VN (ešte do 30. 6. 2011). Pozývame vás na toto stretnutie.

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Catalogue of permissible materials Change of supplier Technology rules Energy data Connection of PoD Pricelists Data exchange Technical conditions LV connection Source connection

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www.SetrimeEnergiu.sk

Get inspired by tips of Elo and Nea

- What is necessary to consider when buing an electrical appliance?
- How to use electrical appliances in the most efficient way?
- How to save energy while cooking, heating and preparing hot water?
- You can also find tips for energy saving when you visit our virtual house.

You can calculate energy saving possible:

- When using energy-saving lamps,
- When purchasing refrigerator,
- When switching-off appliances from stand-by mode,
- When using different ways of heating.

Become convinced that learning about energy might be fun in section For schools.

HEATING WITH A HEAT PUMP

News

Pozývame vás na Veselú planétu

10.03.2011 | V priestoroch Spoločenského pavilónu v Košiciach sa 25. – 27. marca 2011 uskutoční výstava Veselá planéta pre rodiny s deťmi do 12 rokov a budúce mamičky. VSE ako hlavný partner podujatia vás srdečne pozýva. Príďte sa pozrieť na Divadlo Cililing, Elá a Hop, novinky vo svete spoločenských hier a ďalší zaujímavý program.

Celý článok »

Izolujte s korkom

Renovujeme | 10.03.2011 | Kto dnes nešetrí, plytvá nielen energiou, ale najmä svojimi peniazmi. Jednou z možností

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Slavomira Tatiana Jan Viki

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RWE Gas Slovensko - The energy to lead - Mozilla Firefox

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RWE

The energy to lead

RWE Gas Slovensko

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I'm interested in cheaper gas 476

Name Phone number

Just leave us your phone number and we will get back to you in the coming days.

Submit

We are a part of the strong RWE

Gas market opened up

Choice of supplier

Your convenient and reliable partner

Home

A modern company with a strong foundation

RWE Gas Slovensko has been active on the Slovak gas market since 2008 and provides natural gas to customers all across Slovakia.

In two years we have been able to achieve a 25 % share of the large business customer market segment.

Our most important customers speak for us:

- Duslo, a.s.
- U. S. Steel Košice, s.r.o.

News

RWE Group is ready for the upcoming winter season
25.10.2010

In 100 days over 1,000 customers decided themselves for RWE Gas Slovensko
26.08.2010

Companies may have a price for gas supply lowered by 10 %
29.04.2010

RWE Gas Slovakia gained a 25 % market

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Management Small Business Customers Contacts Liberalized Gas Market RWE Group

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Vojtech Trs
Collaboration Solutions Architect
Portal Technical leader CEE
IBM Software Group

Tel +420 737 264 311
vojtechtrs@cz.ibm.com

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TransAlta

- TransAlta is the largest non-regulated power generation and wholesale marketing company in Canada.
- **Business need:**Provide integrated business information; Enhance enterprisecommunication and collaboration Simplify enterprise-wide user experience; Reduce costs of doing business
- **Solution:** IBM WebSphere Portal, IBM WebSphere Business IntegrationServer, IBM WebSphere MQ Workflow, IBM Global Services, IBM Software Services

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Executive
Executive Home
Public Perception
Shareholder Perception
Regulatory Perception
Collaboration
EH and S Leader
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Collaborative Workspaces
Emissions Specialist
Emission Specialist Home
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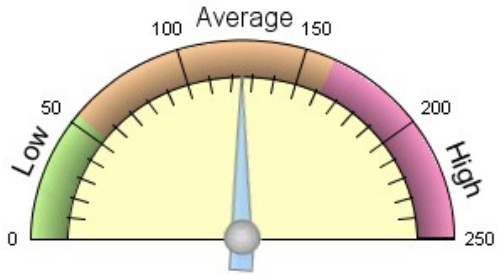
Plant Manager
Plant Management Home
Collaboration
Learning
Plant Operator
Plant Operations Home
Learning
Maintenance Schedules

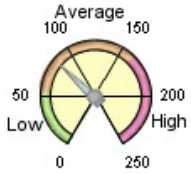
Plant Management Context Navigator

You are at the Plant Level, Currently viewing Alberta Thermal at a 6 minute Interval

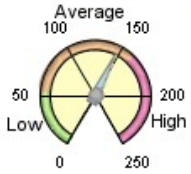
Overall Status



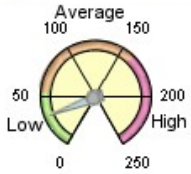
NOX



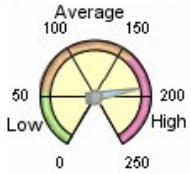
Methane



SOX

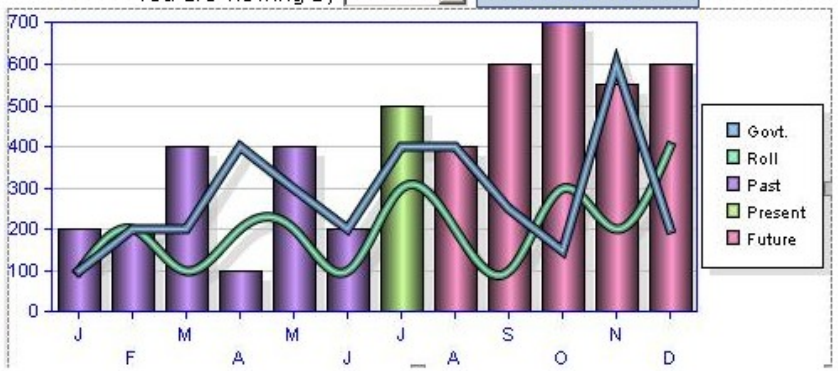


CO2

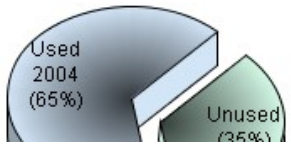


Emissions Plot

You are viewing by Annual — Change Plot



Emission Credits



Market Watch

Emission	Term	Bid	Offer	Last	Date	Action
CO2	$533.33	$634.00	$234.00	$434.00	01/09/05	Trade
NOX	$533.33	$634.00	$234.00	$434.00	01/09/05	Trade
Methane	$533.33	$634.00	$234.00	$434.00	01/09/05	Trade
SOX	$533.33	$634.00	$234.00	$434.00	01/09/05	Trade

Alerts

Time	From	Subject
JUL19 12	Parm Heer	WarninC:SOX approach
JUL20 12	Mike Sanchez	Exception: Sundance/S
JUL19 12	Frank Young	Update: Sundance/dow

Create Alert

Document Search

Enter Criteria for which to search by:

Search Criteria Author

Add

Search Sources LMS

Add

Search | Add Doc to EDM

Sametime Contact List

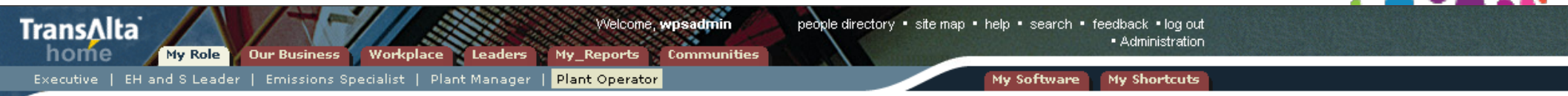
People | Options

Sametime Contact List not found.

Directives

Time	From	Directive
JUL19 12	Doug Jackson	Change fuel Mix

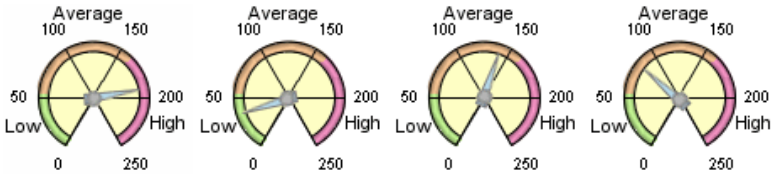
Create Directive



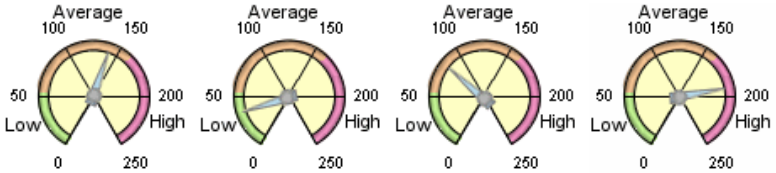
Context Navigator

You are at the Unit (plant name) Level, Currently viewing A B C Change at a 6 minute Interval

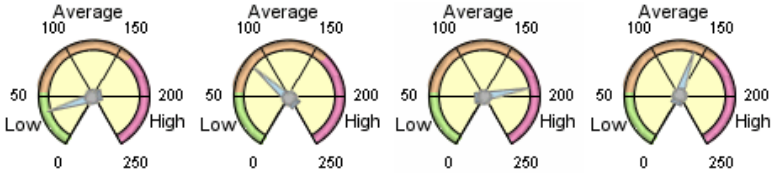
Plant Component A



Component B



Component C



Operator Alerts

Time	From	Subject
JUL19 12	John Doe	WarninC:SOX ap

Create Alert

Operator Directives

Time	From	Directive
JUL19 12:4	Executive A	Change fuel

Sametime Contact List

People Options

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Welcome, **wpsadmin** | people directory • site map • help • search • feedback • log out • Administration

My Role | Our Business | Workplace | Leaders | My_Reports | Communities

Executive | EH and S Leader | Plant Manager | Plant Operator

My Software | My Shortcuts

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- **Executive**
  - Executive Home
  - Public Perception
  - Shareholder Perception
  - Regulatory Perception
  - Collaboration
- **EH and S Leader**
  - EH and S Leader Home
  - Emission Reports
  - Collaborative Workspaces
- **Emissions Specialist**
  - Emission Specialist Home
  - Emission Specialist Reports
- **Plant Manager**
  - Plant Management Home
  - Collaboration
  - Learning
- **Plant Operator**
  - Plant Operations Home
  - Learning
  - Maintenance Schedules

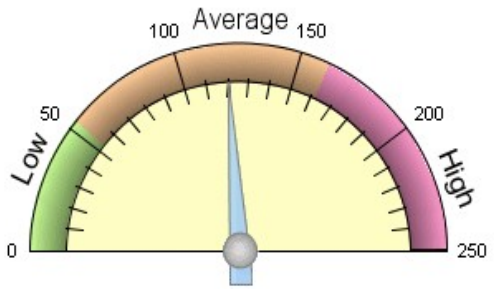
Emissions Context Navigator

You are at the Region Level, Currently viewing Canada at a 6 minute Interval

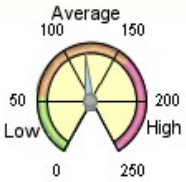
Context:

Region | --- Select a Category ---

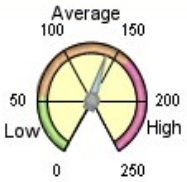
Overall Status



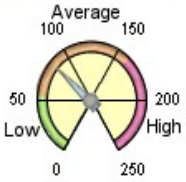
Emissions



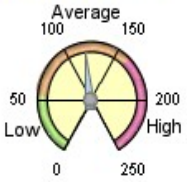
Safety Performance



Health & Safety



Occupational Health



Emissions Plot

You are viewing by Annual | Change Plot | Generate Report

Emission Alerts

Time	From	Subject
JUL19 12:4	Dave Ziprick	[KPH] Methane Warning
JUL19 12:4	Parm Heer	Methane Exceeds Threshold

Create Alert

Directives

Time	From	Directive
JUL19 12:4	Doug Jackson	Change fuel Mix

Create Directive

Document Search

Enter Criteria for which to search by:

Search Criteria Author | Add

Search Sources LMS | Add

Search | Add Doc to EDM

Sametime Contact List

People | Options

Sametime Contact List not found.

Celesc - Centrais Eletricas de Santa Catarina S.A.

Celesc
A força dos catarinenses

- An energy utility in Brazil improves employee and IT staff productivity when it consolidates its applications on a portal built with IBM WebSphere Portal Enable software
- **Business need:** Celesc needed to consolidate its disparate applications because the company had been having technical problems and management problems with such items as license renewals.
- **Solution implementation:** Celesc implemented IBM WebSphere Portal Enable V6 software to complement its IBM Lotus Domino collaboration platform. The company implemented its Lotus Domino software-based applications into a portal that was built with the solution.

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Chubu Electric Power Co., Inc.

- An electric company in Japan speeds decision making and information sharing among team members while enhancing team productivity and work efficiency by leveraging IBM Lotus Notes, IBM Lotus Quickr and IBM WebSphere Portal Enable software to establish a new information collaboration system for its 16,000 employees
- **Business need:** Needing to strengthen its ability to resolve customer issues and optimize the information lifecycle, the company sought to streamline and speed information sharing by establishing a companywide collaboration platform.
- **Solution implementation:** IBM WebSphere Portal V6, which provides a user-friendly, security-rich front end to the company's intranet

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CenterPoint Energy

- A major energy delivery company in the United States expects to remotely connect and disconnect meters, provide improved meter reading processes and react to outages more quickly
- **Business need:** Like many utility companies, CenterPoint Energy had a transmission and distribution infrastructure that had not changed significantly in almost 50 years. When an electric outage occurred, the company usually had to rely on calls from its customers to pinpoint the outage.
- **Solution implementation:**WebSphere Portal Enable was chosen as the best solution to deliver a concise integrated web solution for the many disparate technologies CenterPoint is working with on their Advanced Metering Solution.

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Cairn Energy PLC

Cairn Energy PLC

- An independent, public oil and gas exploration and production company based in the United Kingdom
- **Business need:** Customer consolidates its information into a single repository, enhancing accessibility, reducing duplication, increasing security and automating some of its previously manual processes, when it deploys a solution based on IBM WebSphere Portal Enable software
- **Solution implementation:** Focusing on the needs of the client, the team made another deal-changing observation once work had begun: though Cairn Energy had an enterprise portal in place (Microsoft Sharepoint), it was hardly used. Sensing an opportunity for an IBM WebSphere solution, the team presented a comprehensive analysis comparing four or five portal products.

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UNICCO Service Company

- **Business need:** To maintain high customer satisfaction, UNICCO needed the ability to cost-effectively develop and deliver value-added services such as collaboration and reporting
- **Solution:** IBM® WebSphere® Portal Enable, IBM WebSphere Portlet Factory, IBM Lotus® QuickPlace® and IBM Workplace™ Dashboard Framework software running on IBM System x™ servers

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ARPEL

- ARPEL fosters knowledge sharing among 30 state-controlled and privately owned oil and gas companies in Latin America and the Caribbean.
- **Business need:**Reliance on e-mail to structure the publication of documents on industry issues led to versioning problems; lack of a document library limited access to information
- **Solution:**IBM® WebSphere® Portal Enable, IBM Lotus Notes® and Domino® Version 7, IBM Lotus® QuickPlace® and IBM Lotus Sametime® software running on an IBM eServer™ xSeries® server

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Entega

- Entega is a sales company for HEAG Sudhessischen Energie AG and Stadtwerke Mainz AG, and helps to bring electricity and water to nearly 1 million people in the Rhein-Main-Neckar region of Germany.
- **Business need:**Operating in the newly-liberalized German energy market, Entega understands that customer service is the key to increasing market share. If Entega could offer online self-service for customers to manage accounts at their own convenience, fully integrated with the back-end billing systems, this would help attract and retain new business in a commoditised marketplace as well as eliminate expensive manual processing.
- **Solution:**Worked with IBM Business Partner BMS Systems (www.bmssys.de) to develop a customer self-service portal using IBM WebSphere Portal, that would interface with back-end SAP systems via IBM WebSphere Business Integration software.

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Shell Canada Ltd.

- A petroleum company in Canada slashes maintenance costs, improves productivity and speeds remote access from 30 seconds to just one or two seconds when it deploys IBM WebSphere Portal – Enable software and an IBM eServer iSeries server to support new Web-based remote access to business-critical PeopleSoft applications
- **Business need:** Shell began looking for a solution to simplify local and remote connections to these critical business applications. The company wanted to use a Web-based interface to deliver access through a Web browser, wireless device or any other Internet-connected device.

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