

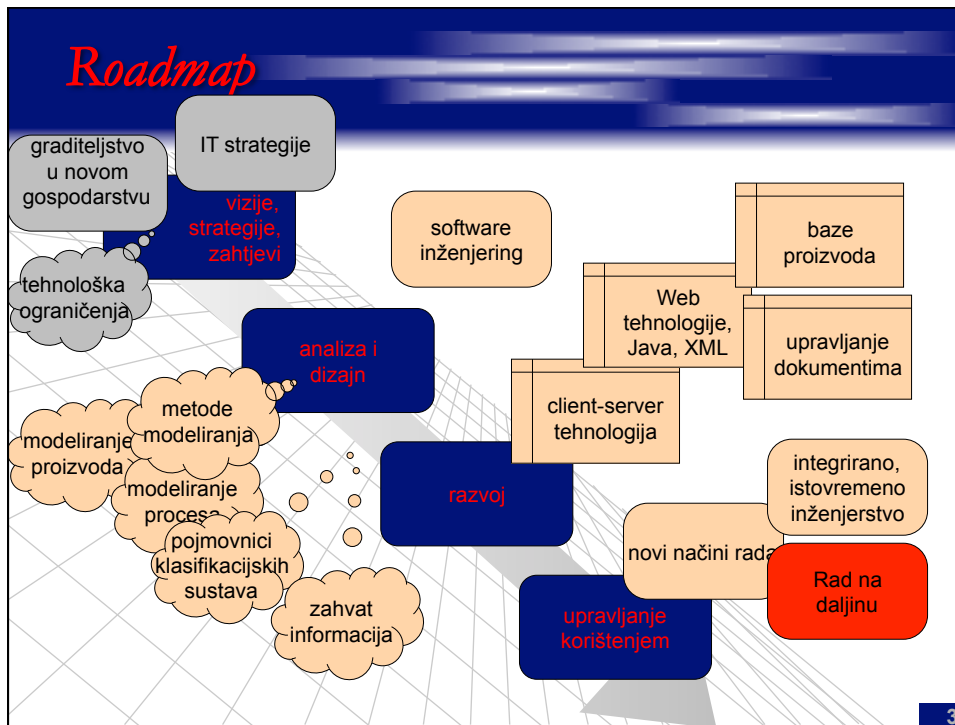
Žiga Turk, Davor Delić

Kolaboracija – rad na daljinu

Ciljevi

- Shvaćanje koncepta udaljenog rada i učenja
- Prepoznavanje upliva koji će ovakav način rada imati na organizaciju u građevinskoj industriji na globalnoj i lokalnoj razini
- Upoznavanje potrebne temeljne tehnologije

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Uvod

- Rezultat informacijskih procesa je informacija
- Proizvodi se pomoću računala
- Pohranjena je u računalima
- Može se prenositi putem računalnih mreža!
- Što je s komunikacijom? Razgovori, sastanci?
 - Brze mreže, Internet 2, itd... Infrastruktura je dovoljno dobra za korištenje Interneta kao komunikacijskog kanala

Definicija

- Rad na daljinu ili tele-rad je takva organizacija poslovnih procesa u kojoj su sudionici zemljopisno raspršeni te koriste IT za premošćivanje tih udaljenosti
- Vezani pojam:
 - Rad od kuće

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Infrastruktura

- Osnovna: Dijeljenje informacija
 - Pristup udaljenim informacijama mora biti jednako dobar kao da se one nalaze unutar uredske zgrade.
- Napredna: Komunikacija korištenjem IT
 - Komunikacija poduprta s IT-om teži tomu bude dobra kao da se "tamo nalazimo"

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Komunikacijske tehnologije

■ Nisu u realnom vremenu:

- Email (1:1)
- Konferencijski i diskusijski sustavi (1:n)
 - Usenet, email konferencije, web temeljeni sustavi (portali)

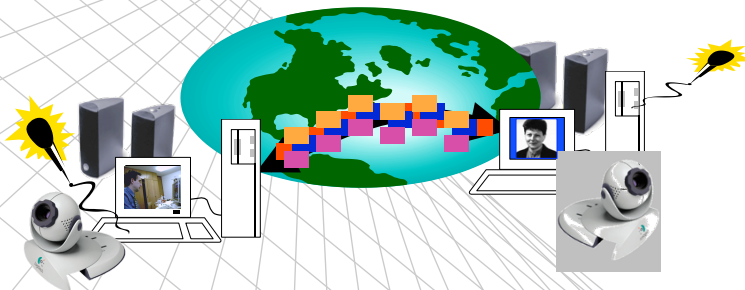
■ U realnom vremenu time:

- Chat, ICQ, Skype, razni messengeri (1:1)
- Chat rooms (1:n)
- Glasovne konferencije
- Video konferencije
- Dijeljenje aplikacija
- Redlining, potpora strukturiranim diskusijama
- Kolaboracijske (i projektno) orijentirane aplikacije

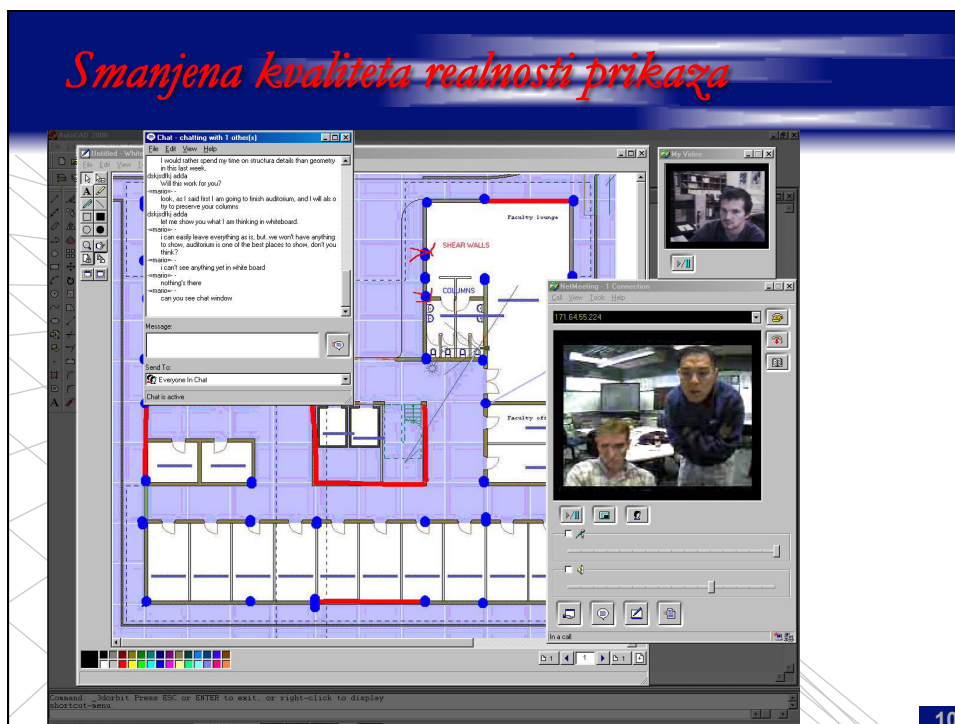
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Nužna oprema potrebna za udaljeni rad

- | | |
|-------------------------------|-------------------------------------|
| ■ Internet, ISDN, DSL ... | ■ + besplatne |
| ■ Zvučnici, mikrofoni, kamera | ■ - nisu 100% pouzdane |
| ■ Netmeeting i sl. | ■ Pouzdane (profesionalne) su skupe |



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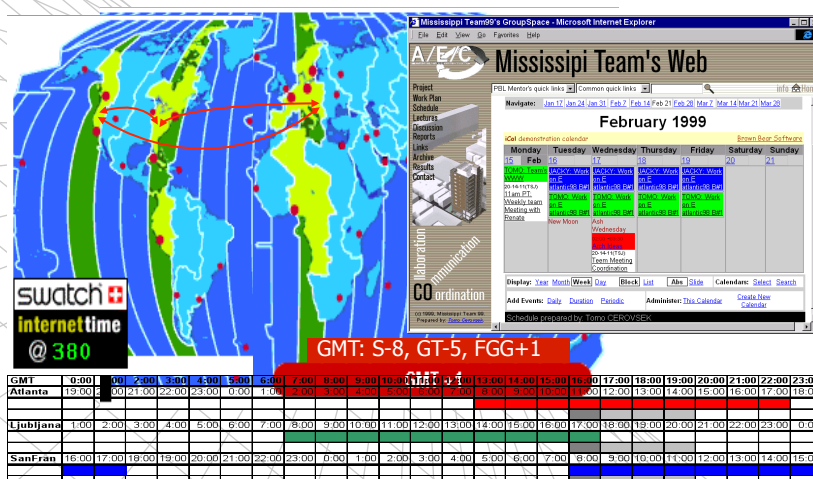
Bitno smanjena ako treba veći broj frameova

...



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Rad preko vremenskih zona



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Temeljne funkcionalnosti

- Razgovor, video
- Chat (tipkanje poruka)
- Dijeljena ploča (whiteboard)
- Dijeljenje informacija
- Sve sadržano u Netmeetingu (sastavni dio Windowsa)

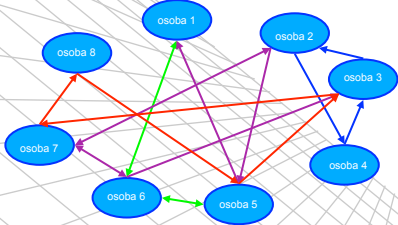
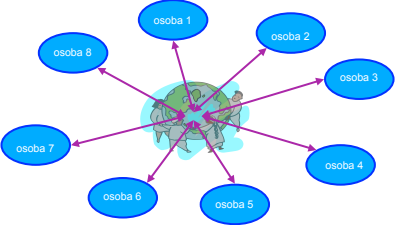
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Napredne funkcionalnosti

- Multi point konferencije
- Kolaboracijski orijentirane aplikacije
- Video streaming
- Projektni zapisi
- Profesionalna rješenja: IBM Lotus Virtual Classroom (za fakultet 30.000 Eur)

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Mobilno graditeljstvo

- mobilne komunikacije ne trebaju poseban sustav za sudjelovanje
- nema ponovljivosti, slijeđenja, ovisnosti
- multimedijske komunikacije
- e-mail, voicemail, video

- Centralizacija mobilnih komunikacija
- dijeljeni kontekst
- arhiviranje
- sudjelovanje
- automatska redirekcija
- "naručivanje"
- agenti ...

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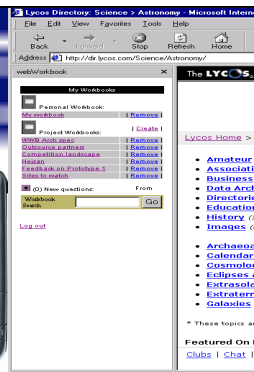
Mobilni Internet terminali

- Graditeljstvo je mobilni business
- Terminal?!
 - GPRS, G3 mobilni telefoni
 - Palm računala, dlanovnici
 - "Wearable" računala
- Video kamere i fotoaparati
- Transport
 - GSM mreže, G3
 - Posebne mreže
- problem:
 - Ograničeni bandwidth u odnosu na žičnu mrežu

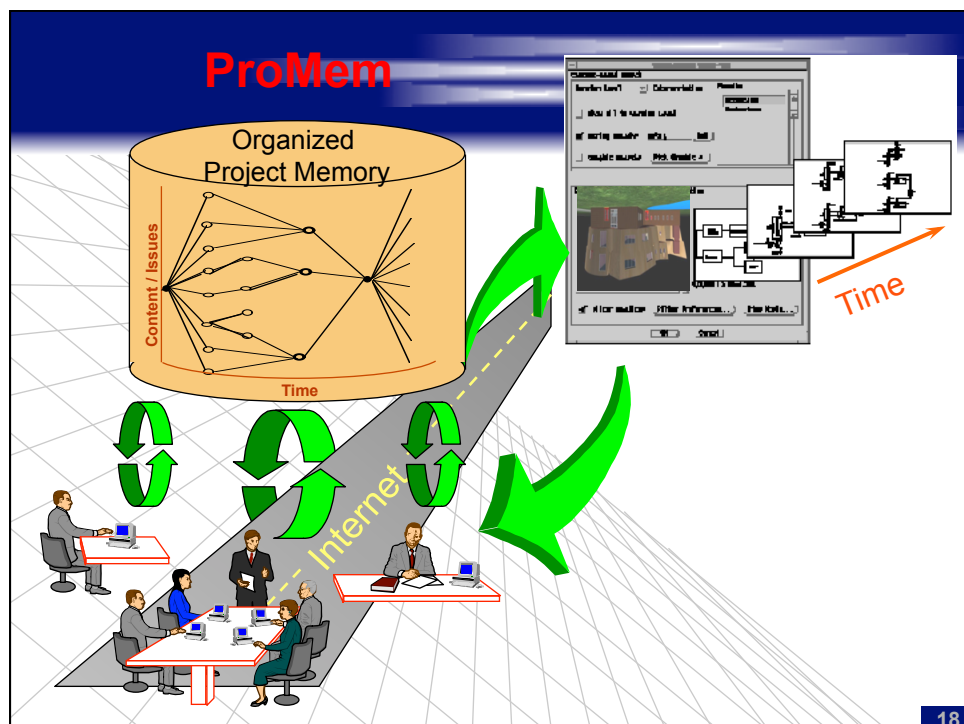
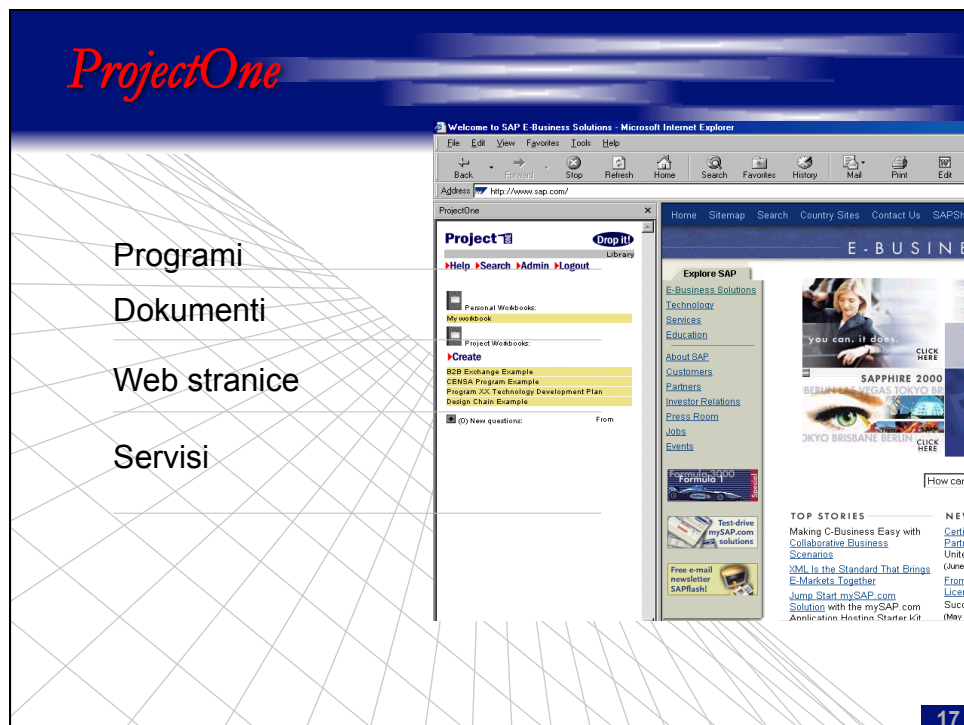


The all new TSC-860

A revolution of size and functionality. The latest technological advances put in the palm of your hand. A touch screen LCD is a tiny pad and also keyboard, when the 860X800 Full-Color LCD is extended. The phone is also equipped with a zoomorphic, and comes with multi-touch for the most convenient to fully mobile and to surf the web and not just around town. The TSC-860 is also ready for video conferencing, with camera, microphone, video and video sending a touch away.



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Sažetak

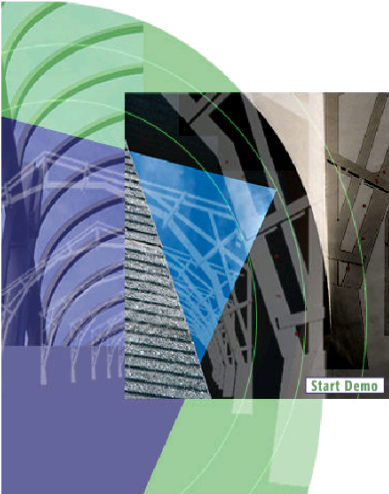
- Graditeljstvo je fragmentirani posao
- IT može okupiti stručnjake zajedno, na gradilištu
- Video konferencije i dijeljenje aplikacija je dostupno na brzinama od 100 kbit naviše (dual ISDN i bolje).
- Mobilno računalstvo omogućava pristup informacijama na gradilištu

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Žiga Turk, Davor Delić

*Dodatak: Demo Project
Net on-line kolaboracije*

Demonstracija: Cephren: projectNet



ProjectNet®
the project portal

ProjectNet views over 200 file formats
including CAD, without software or plug-ins.

And you can print the latest drawings right
from your desktop saving thousands in
printing and delivery costs.

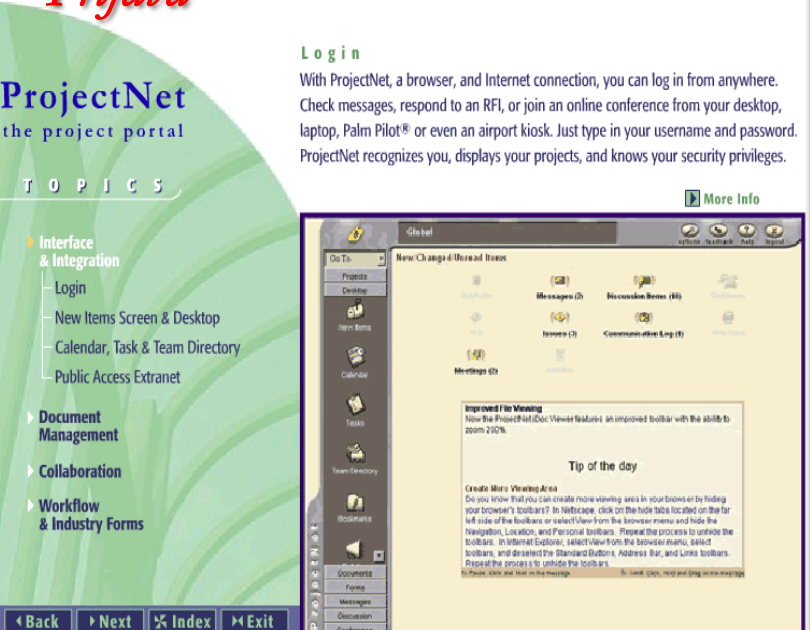
[Start Demo](#)

Cephren

- Rad na projektu
- Pregledavanje preko 200 različitih formata dokumenata
- Iscrtavanje dokumenata i dostava papira...

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Prijava



ProjectNet
the project portal

TOPICS

- Interface & Integration
 - Login
 - New Items Screen & Desktop
 - Calendar, Task & Team Directory
 - Public Access Extranet
- Document Management
- Collaboration
- Workflow & Industry Forms

Login

With ProjectNet, a browser, and Internet connection, you can log in from anywhere. Check messages, respond to an RFI, or join an online conference from your desktop, laptop, Palm Pilot® or even an airport kiosk. Just type in your username and password. ProjectNet recognizes you, displays your projects, and knows your security privileges.

[More Info](#)

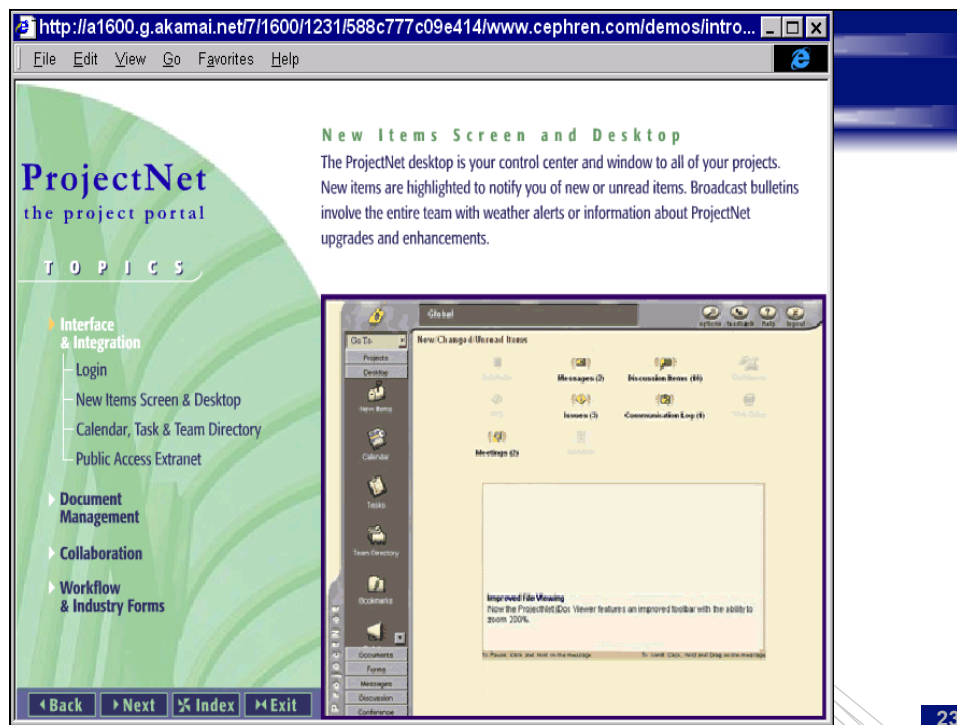
New Change of Overhead Items

Improved View Window
Now the ProjectNet Doc Viewer features an improved toolbar with the ability to zoom 200%.

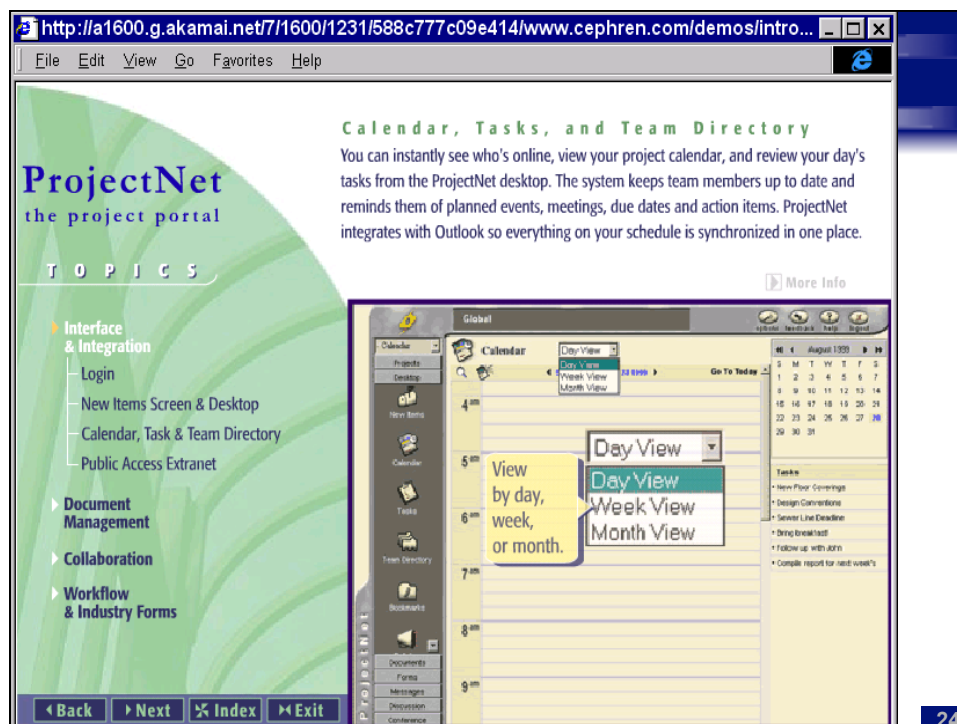
Tip of the day

Create More Viewing Area
Do you know that you can create more viewing area in your browser by hiding your browser's toolbars? In Netscape, click on the hide tabs located on the far left side of the toolbars or select View from the browser menu and hide the navigation, location, and personal toolbars. Repeat the process to unhide the toolbars. In Internet Explorer, select View from the browser menu, select toolbars, and deselect the Standard Buttons, Address Bar, and Links toolbars. Repeat the process to unhide the toolbars.

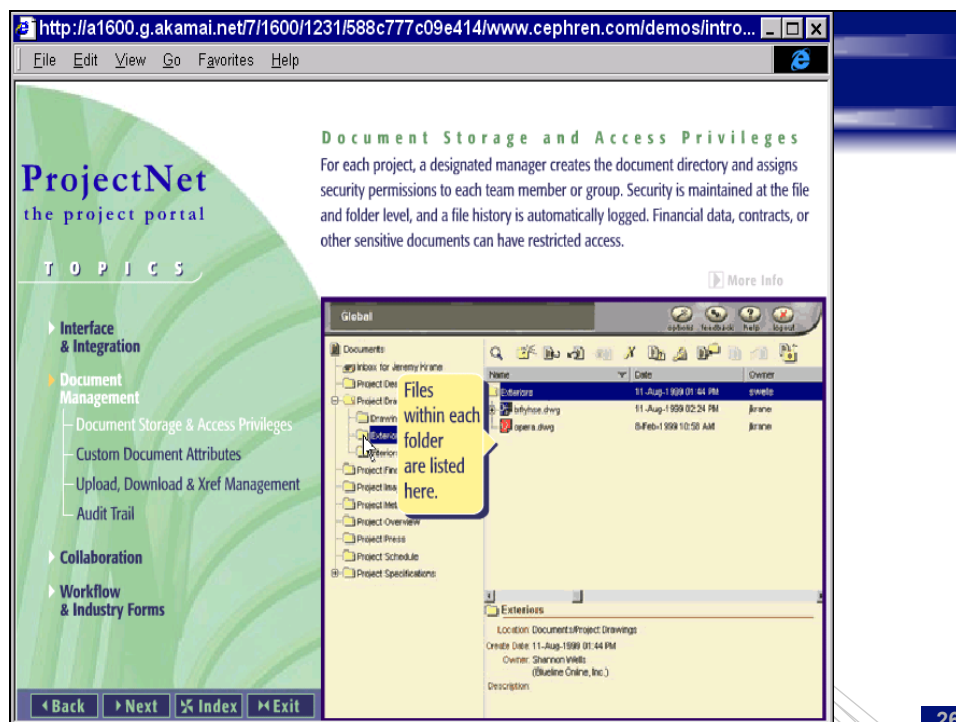
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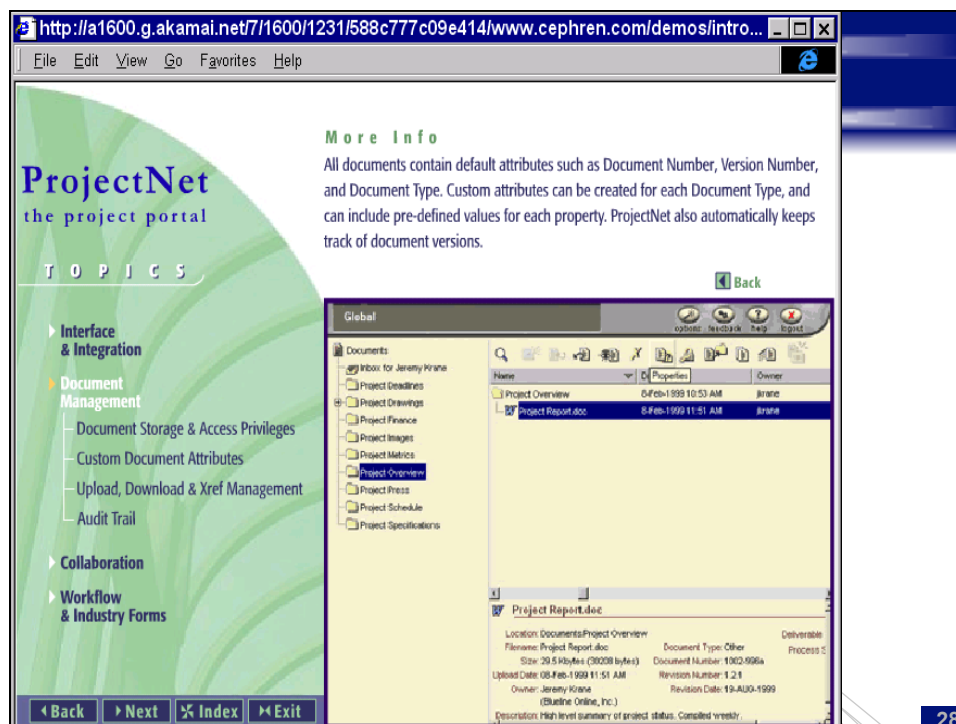


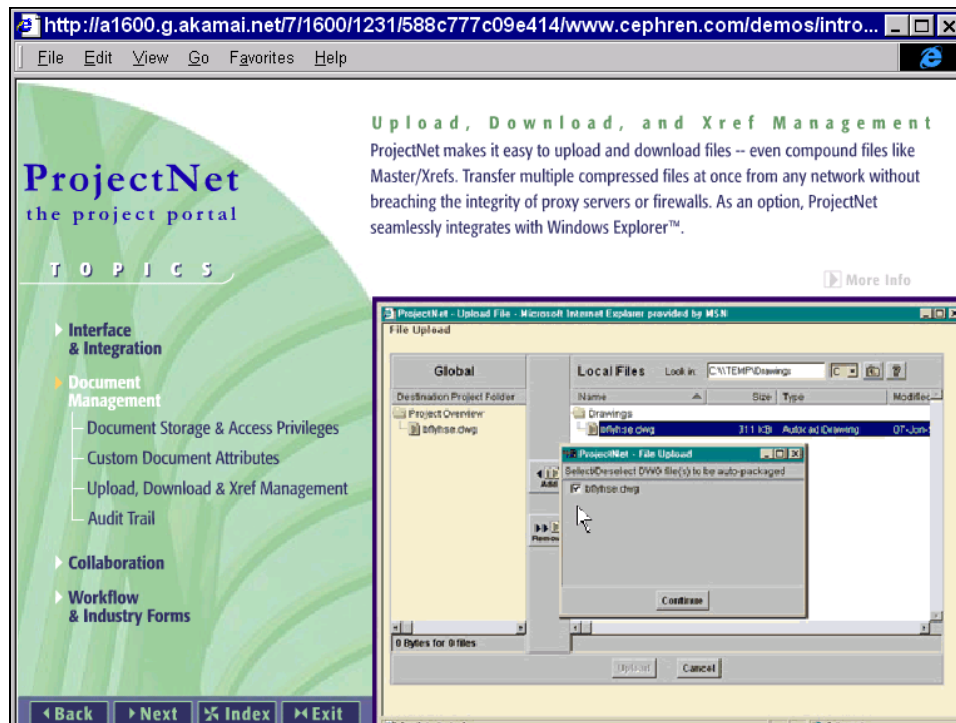
23

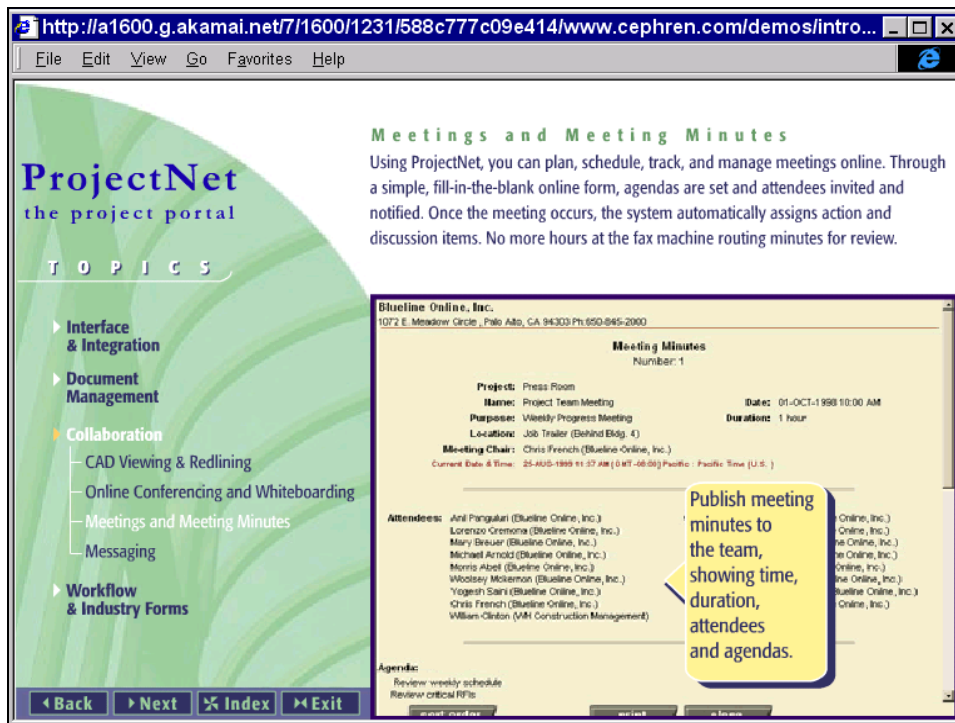


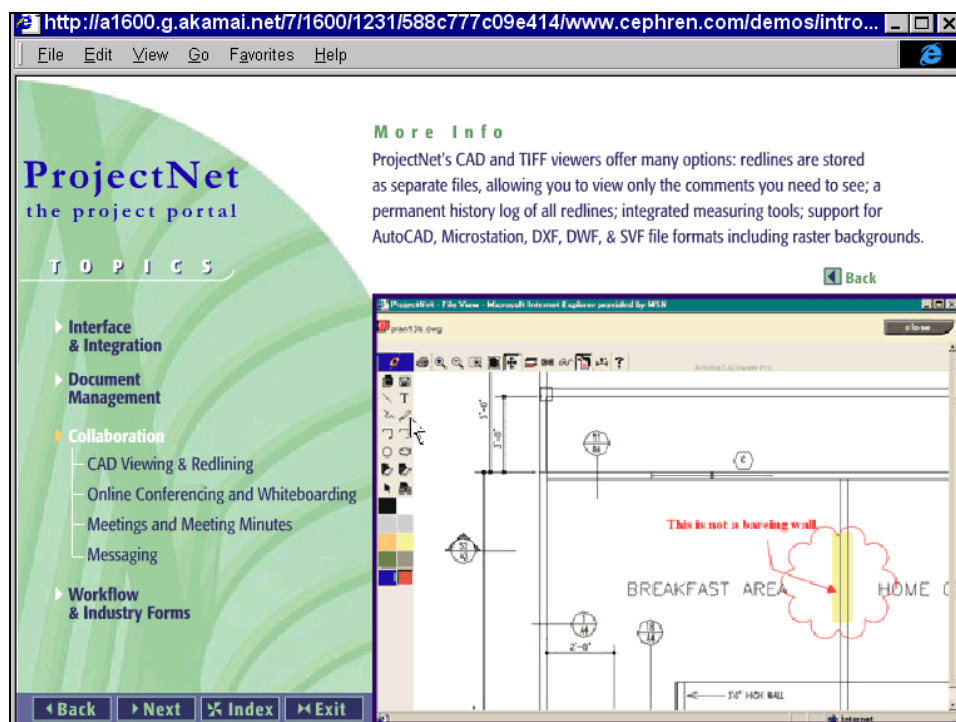
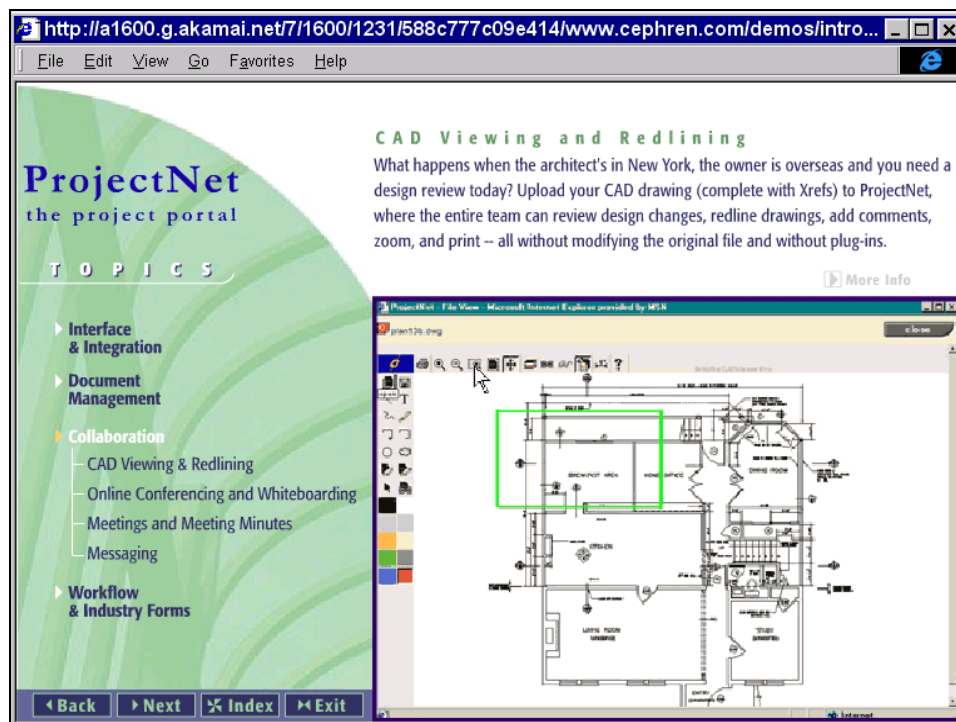
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http://a1600.g.akamai.net/7/1600/1231/588c777c09e414/www.cephren.com/demos/intro...

File Edit View Go Favorites Help

ProjectNet

the project portal

TOPICS

- Interface & Integration
- Document Management
- Collaboration
- Workflow & Industry Forms
 - RFIs
 - Submittals
 - Issues
 - Communication Logs
 - Print Work Orders

Issues

Any open problems or project issues may be created and tracked online with specific responsibilities for designated individuals. Issues may be shared with the entire team for its comments or for select team members at the creator's choice. Any file can be attached to any issue.

[More Info](#)

Create a New Issue

Details

Title: Reference #:

Company: [Click here to create External User\(s\)](#)

Assigned To: Priority:

Coll Division:

Spec Section:

Public ☒ Private ☐ (Public (open to all team members) can be restricted to)

Specify the issue in full detail.

Notes

The dimensions for the table look wrong. I've attached a shot of what's been delivered.

Attachments

[attach files](#) [Click here to attach documents](#)

ConferenceTables.jpg

Comments	Date	Author
	09-FEB-1999	disdmin

[Back](#)
[Next](#)
[Index](#)
[Exit](#)

http://a1600.g.akamai.net/7/1600/1231/588c777c09e414/www.cephren.com/demos/intro...

File Edit View Go Favorites Help

ProjectNet

the project portal

TOPICS

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Communication Logs

Not all communications through the life a project happen online. Phone calls, faxes, conversations and standard mail can get lost in the shuffle and go undocumented. Communication Logs provide an easy way to capture those communications permanently.

Create a New Communication Log

Communication With

Company: [Click here to create External User\(s\)](#)

Attention:

Via: [Click here to create External User\(s\)](#)

Date:

Time:

Type: ☒ Public ☐ Private (Public (Public Communication Log is open to all team members) Private (Private Communication Log can be restricted to selected team members))

Attendee:

Summary Information

Subject:

Category:

Sub-Category:

Notes

Fax of order received.

Attachments

[attach files](#) [Click here to attach documents](#)

[Back](#)
[Next](#)
[Index](#)
[Exit](#)

The screenshot shows a web browser window with the URL <http://a1600.g.akamai.net/7/1600/1231/588c777c09e414/www.cephren.com/demos/intro...>. The browser's menu bar includes File, Edit, View, Go, Favorites, and Help. The page features a green sidebar with the 'ProjectNet the project portal' logo and a 'TOPICS' menu. The main content area is titled 'Print Work Orders' and includes a description of the module's functionality. Below this, a 'Shipped Work Order Details' form is displayed, containing fields for Order Number, Order Date, Project Name, Company, and various contact information. A yellow callout box points to the 'Company' field, stating 'Select companies billing and shipping options.' The sidebar menu includes 'Interface & Integration', 'Document Management', 'Collaboration', and 'Workflow & Industry Forms', with the latter expanded to show 'RFIs', 'Submittals', 'Issues', 'Communication Logs', and 'Print Work Orders'. At the bottom of the sidebar are buttons for 'Back', 'Index', and 'Exit'.

ProjectNet
the project portal

TOPICS

- ▶ Interface & Integration
- ▶ Document Management
- ▶ Collaboration
- ▶ Workflow & Industry Forms
 - RFIs
 - Submittals
 - Issues
 - Communication Logs
 - Print Work Orders

Print Work Orders

Want to expedite turn-around time on reprographics and reduce delivery costs? The Print Work Orders module lets you schedule and deliver prints electronically from anywhere in the world.

[More Info](#)

Shipped Work Order Details

Order Number: 000210 Due Date: 28-OCT-1998 01:00 PM
Order Date: 28-OCT-1998
Project Name: Press Room

Company: Blue-Line-On-Line, Inc. Shipped Via: **Ground Commercial**

Repro Company: Blue-Line Online, Inc.
1072 E. Meadow Circle
Palo Alto, CA 94303
U.S.A.
Phone: 650-845-2000
Fax: 650-845-2014
Email: dclimmins@blueonline.com

Bill To: Blue-Line-On-Line, Inc.
1072 E. Meadow Circle
Palo Alto, CA 94303
U.S.A.
Phone: (650) 565-7876
Fax: 650-845-2014
Attn: Jeremy Krane
Email: jkrane@blueonline.com
Internal Ref Number:

Deliver To: Blue-Line-On-Line, Inc.
1072 E. Meadow Circle
Palo Alto, CA 94303

◀ Back ✕ Index ▶ Exit