

Quels projets informatiques dans un département « Finance » ?

9.2.10

UB4.136, campus du Solbosch (ULB)

Martin van Wunnik

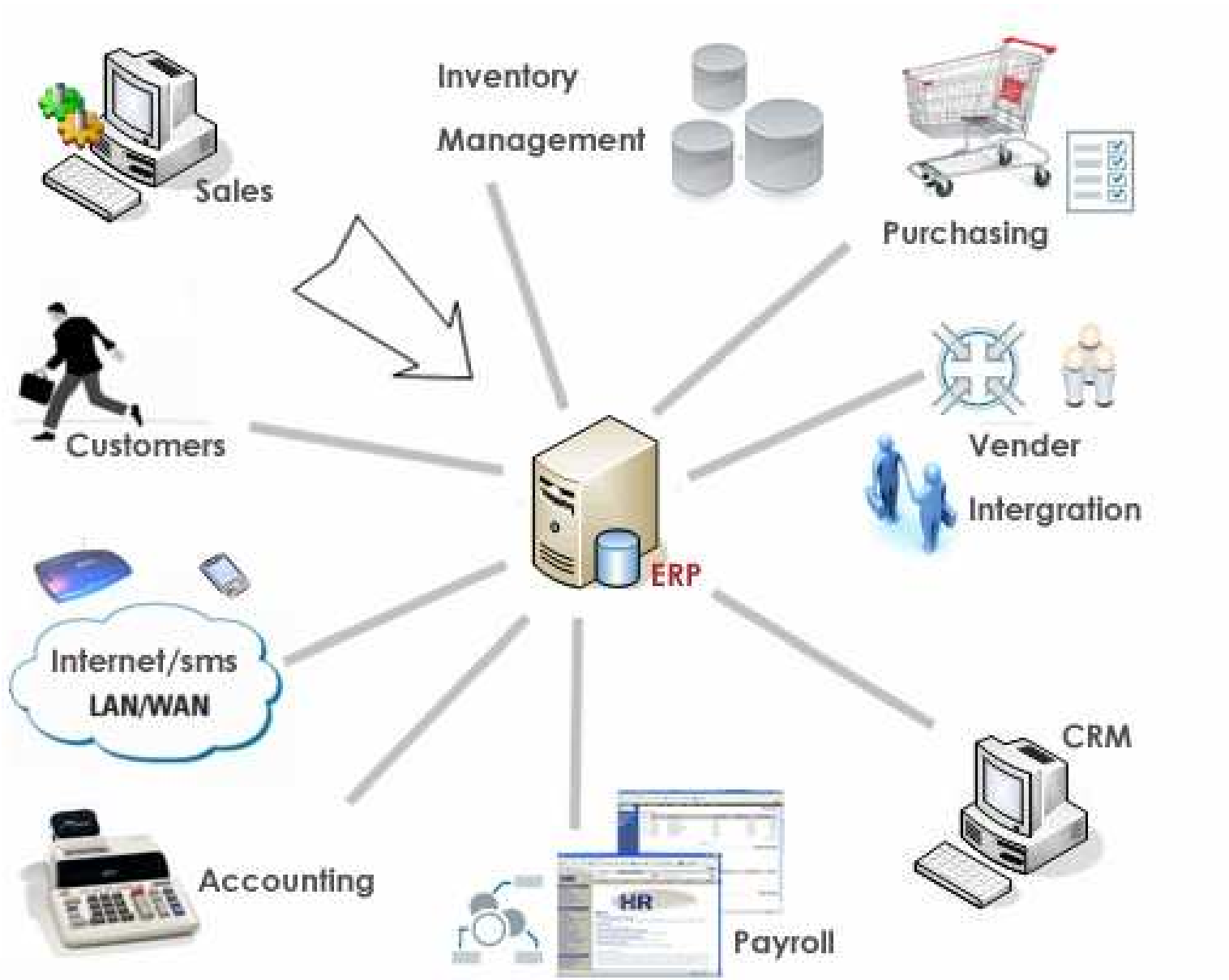
*" Il n'y a pas des projets informatiques;
que des projets de métier,
soutenus par des outils informatiques "*

ERP / Finance

Rapports Financiers

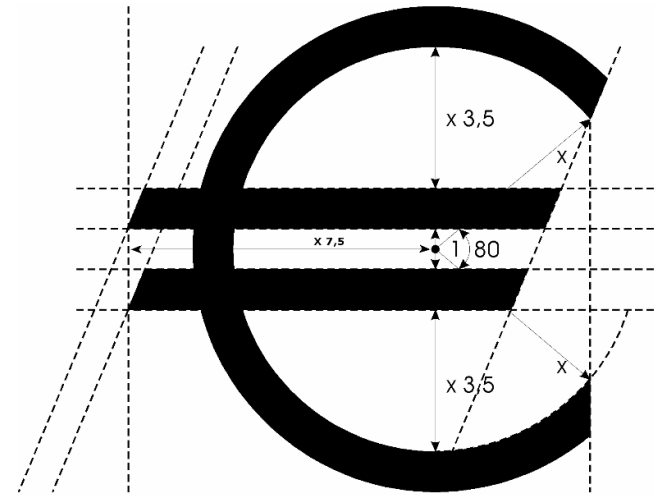
Consolite

Pepito®



Revenus / Charges

Coûts



Plan Comptable

- Civil status
- Family budget
- Summary
- ▼ Financial plan
 - ▼ Assumptions
 - ▼ Income
 - New sales
 - Other income
 - ▼ Costs
 - Rent and rental charges
 - Repair and maintenance
 - Supply of goods**
 - Third-party remuneration
 - Insurance
 - Transport and relocation
 - Temporary staff
 - Remuneration for managers
 - Remuneration for white-collar s
 - Remuneration for blue-collar st
 - Other staff costs
 - Other operating expenses
 - Miscellaneous financial charges
 - ▼ Balance sheet
 - Investments
 - Capital
 - Stock variation
 - Change in debts
 - Change in receivables
 - Short-term investments
 - Others
 - Cash
 - V.A.T. and taxes
 - Stages to be completed
 - Taxes payable
- ▶ Credit needs
- Note

▶ (612) Supplies made to the company



(612 000) Water

| | | Month details for year 1 | | | | | |
|--------|--------|--------------------------|-------|-------|-------|-------|-------|
| Year | Total | 1 | 2 | 3 | 4 | 5 | 6 |
| Year 1 | 240,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 |
| Year 2 | 240,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 |
| Year 3 | 240,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 |
| Year 4 | 240,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 |
| Year 5 | 240,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 | 20,00 |

(612 100) Gas

| | | Month details for year 1 | | | | | |
|--------|-------|--------------------------|------|------|------|------|------|
| Year | Total | 1 | 2 | 3 | 4 | 5 | 6 |
| Year 1 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| Year 2 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| Year 3 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| Year 4 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |
| Year 5 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 |

(612 110) Electricity

| | | Month details for year 1 | | | | | |
|--------|--------|--------------------------|-------|-------|-------|-------|-------|
| Year | Total | 1 | 2 | 3 | 4 | 5 | 6 |
| Year 1 | 684,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 |
| Year 2 | 684,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 |
| Year 3 | 684,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 |
| Year 4 | 684,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 |
| Year 5 | 684,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 | 57,00 |

(612 120) Heating fuels

| | | Month details for year 1 | | | | | |
|--------|----------|--------------------------|--------|--------|--------|--------|--------|
| Year | Total | 1 | 2 | 3 | 4 | 5 | 6 |
| Year 1 | 1.440,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 |
| Year 2 | 1.440,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 |
| Year 3 | 1.440,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 |
| Year 4 | 1.440,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 |
| Year 5 | 1.440,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 | 120,00 |

Interfaces

The screenshot displays a Windows application window titled "Client". The window contains a form with the following elements:

- A dropdown menu for "Connection" with "HTTP" selected. The dropdown list shows "Connection: HTTP", "Connection: NamedPipe", "Connection: TCP/IP", and "Connection: HTTP".
- Text boxes for "Firstname" (containing "Brennan") and "Lastname" (containing "Anna").
- Radio buttons for "Male" and "Female", with "Female" selected.
- A table with the following data:

| LastName | Gender | FirstName |
|----------|--------|-----------|
| Smith | Male | Peter |
| Brennan | Female | Anna |

Below the form is a console window with the following text:

```
C:\dialogik\net.fx3\WCFbyInterfaces\HostApplication\bin\Release\HostApplicatio...
Start Services:
> IMgrPerson PIPE
> IMgrPerson TCP
> IMgrPerson HTTP
Press key to end...
AddPersons() invoked (new Total=1) > Smith Peter
AddPersons() invoked (new Total=2) > Brennan Anna
GetPersons() invoked (Total=2)
```

Implementation

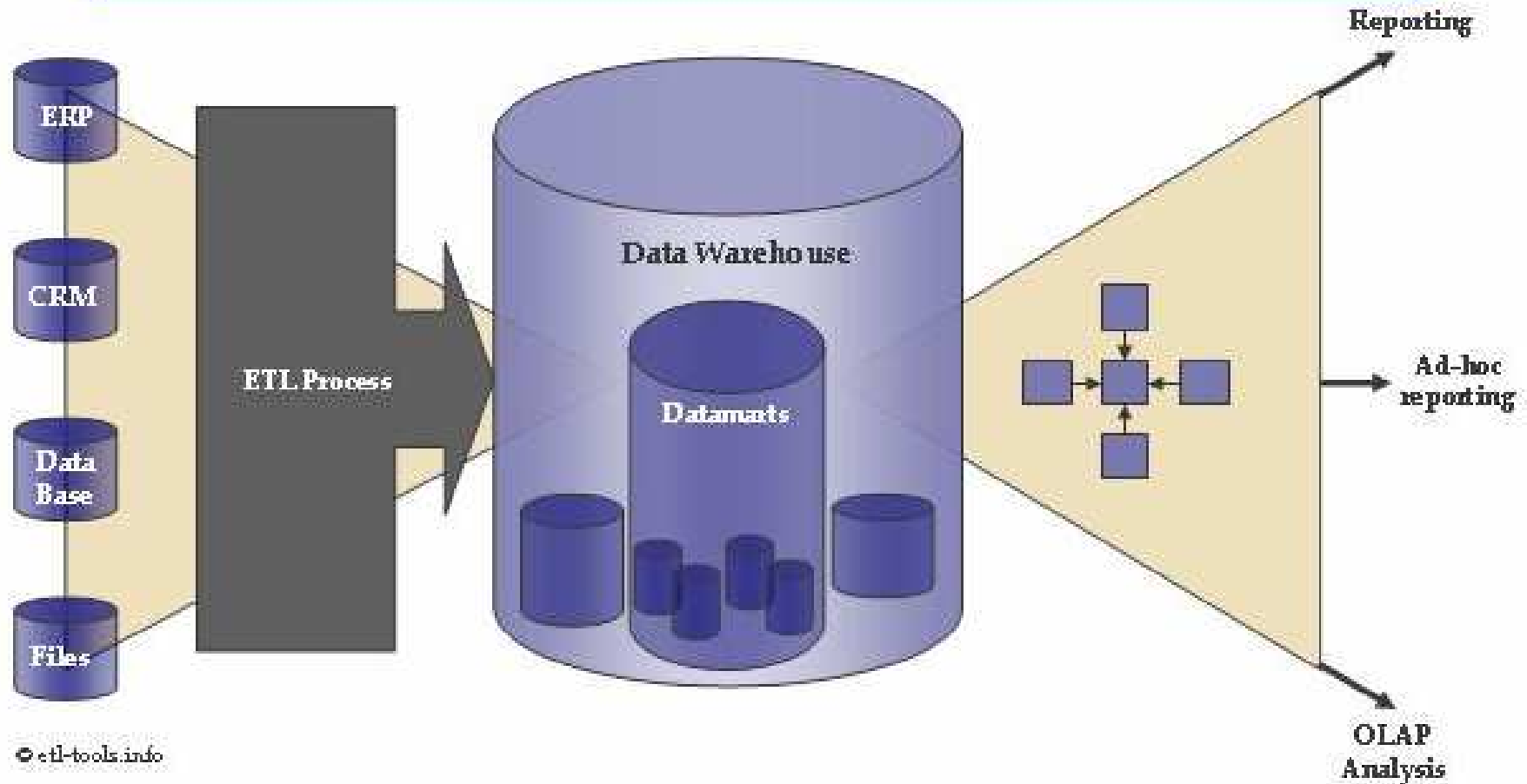


Reporting : legal/management



www.eursprig.com

Business Intelligence



QlikView

(in memory & flexible)



Financial Consolidation



Consolite

<http://www.consolite.be/>

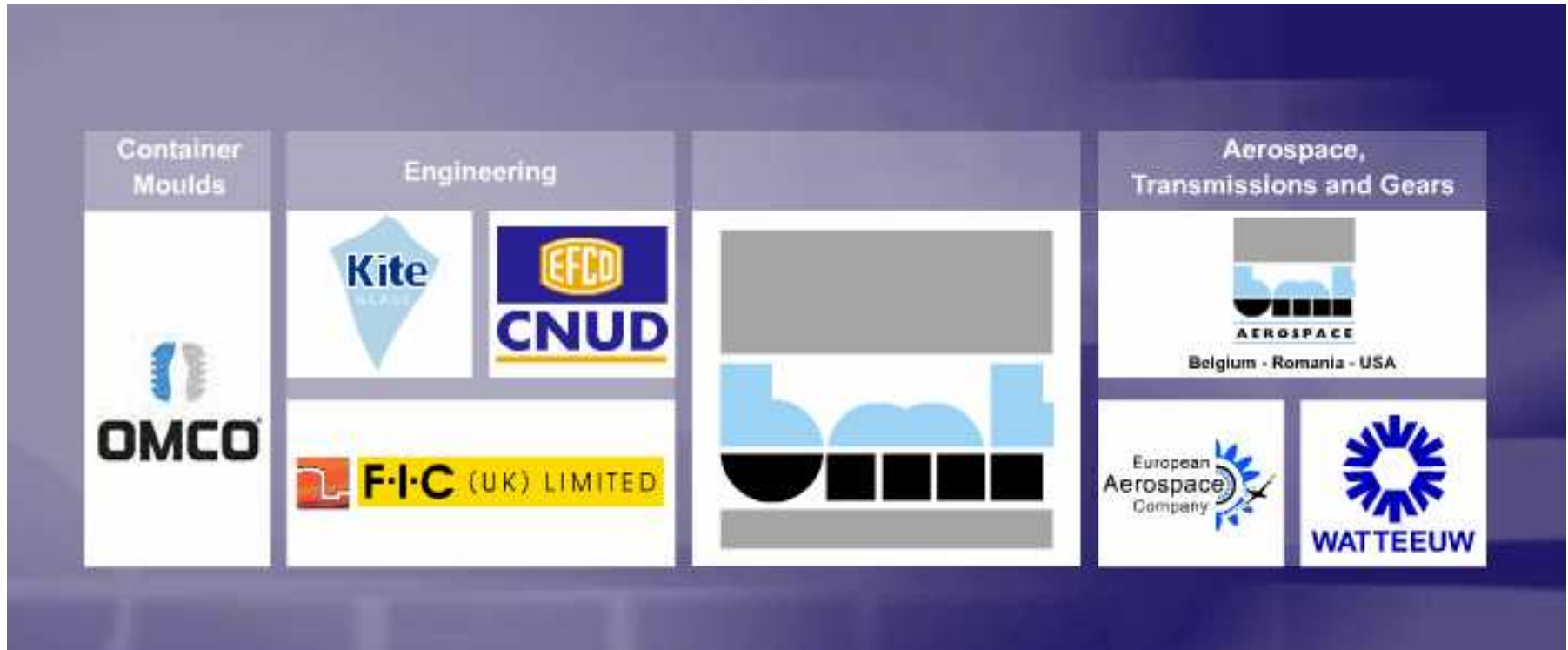
5 avril 1882 :

« Usines et Fonderies de Baume et Marpent »



2009 :

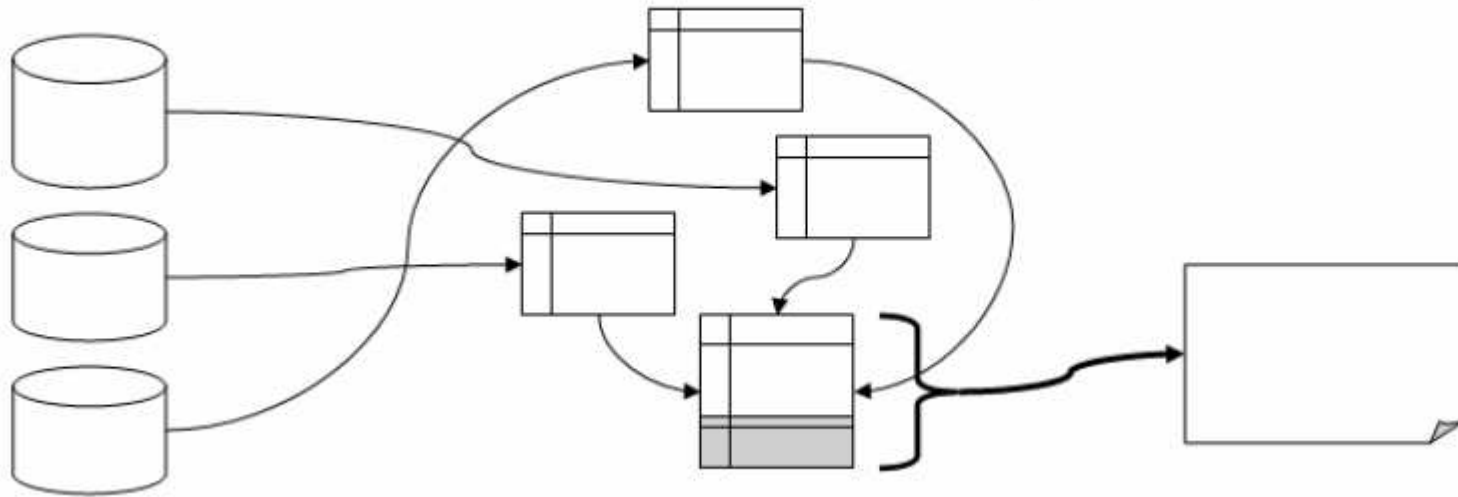
« BMT Group »



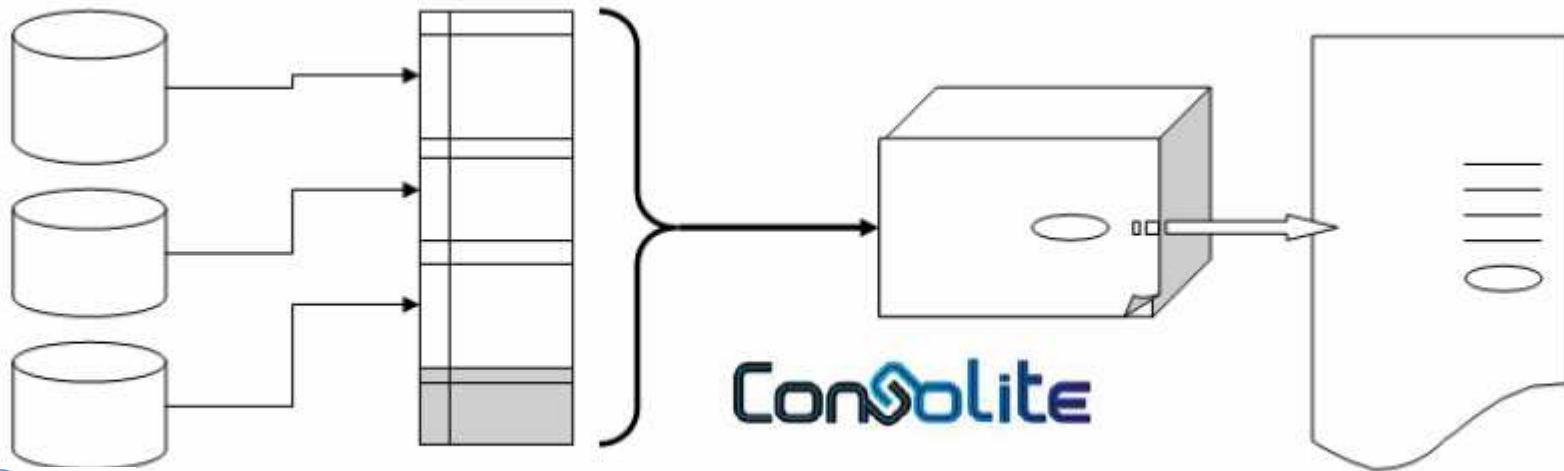
Financial Consolidation

- » **Data collection** Online over the internet (real-time for collaboration)
- » Mapping (for sites with different ledgers)
- » Validation (stop/proceed based on check-total, variance etc)
- » Online review and approval process at each tier (Workflow)
- » Escalations if late (alerting)
- » **Journal entries** **Recurring and manual**
- » Automated currency translation gains/losses
- » Automated P&L, Cash Flow, Balance Sheet & notes
- » Intercompany processing Automated balancing
- » Audit trail **Intercompany eliminations** Define intercompany accounts
- » Automated eliminations
- » In balance / out-of-balance reporting
- » Foreign currency translation Multiple rate types
- » Define which rate type by account (supports temporal method)
- » Consolidation
- » Consolidate actuals and budgets
- » Accommodate different fiscal periods & calendars
- » Wholly owned or minority interest Multi-tier consolidation or hierarchies Revaluations
- » Automated Intercompany eliminations to first common parent
- » Flexible Chart of Accounts
- » **Financial reporting**
- » Results in home or reporting currency
- » Multiple hierarchical reporting
- » ...

Spreadsheet consolidation solution



Consolite solution





India ↔ Belgium ?

Open source or not ?

Sales ?

Support ?

Pepito®

PEPITo-Finance

Analyse predictive via Machine Learning des données consolidées ;

~~Définition des relations par l'utilisateur / trop compliqué à utiliser.~~

⇒ **PEPITo-Finance** définit les relations + modélise les données

pour visualiser :

- » Quelle société génère le plus de résultat, positif et négatif, sur l'ensemble du groupe de sociétés
- » Quel compte est le principal déterminant du résultat de la société individuelle ainsi que du groupe (modélisation)
- » Quelle évolution peut-on voir sur l'historique et déduire pour la prochaine période ?

Débouchés IT dans un département « Finance » ?

Multi-national

PME

Assistance (Logiciel / Réseau / Big4)

Indépendant

Development / Analist / Project Manager /

Consultant / Implementator / Tester / Support



*" The worst thing is to be successful
at doing something
you don't really want to do."*



Michael E. Gerber (entrepreneur)

