



"Integrated ICT solutions strategically boost prevention practice"

Bart Viaene, MD Marc Beurms, CIO



in a nutshell:

- leading external prevention service in Belgium
- servicing 35,000 member organisations
- monitoring >600,000 workers
- by means of 650 trained experts
- in multiple OHS&E disciplines
- growing private non-profit research organisation
- 2010 turn-over : +65 million euro



What I would like you to remember about prevention and automation

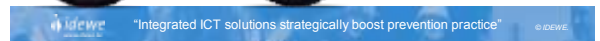
- Large scale prevention requires a **multidisciplinary approach**
- A multidisciplinary approach requires **large scale automation**
- **Both are problematic** for small scale prevention services
- **Cooperation would be mutually beneficial** in many ways
- **Go for IT solutions** developed and owned by prevention services



How to build a bike to explore new terrain ?



Integrate specialized hardware parts to construct a flexible and performant all-terrain bike enabling you to explore where no one has biked before



How to build an IT system to boost prevention ?



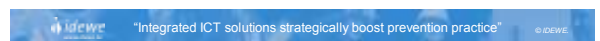
Integrate specialized software parts to construct a flexible and performant OHS&E IT system enabling you to prevent like no one has prevented before



"Integrated ICT solutions strategically boost prevention practice"

Strategic gains :

1. Compete with succes
2. Reduce administration
3. Optimize your planning
4. Network !
5. Enforce your procedures
6. Control your quality
7. Improve your expertise
8. Disseminate your knowledge
9. Measure prevention efficiency
10. Scale advantage





1. Compete in a toughening market

1984

- paper medical files
- manual research on small groups
- topical manual reporting
- occasional quality control
- occupational health service only
- mono-disciplinary experts
- prescribed prevention tasks
- one-way interaction with government



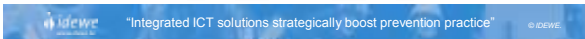
Shakeout

2012

- electronic medical files
- data mining on global data
- automated early-warning systems
- automated quality control
- rich pallet of prevention services
- multidisciplinary teams
- customers choose prevention mix
- bi-directional e-Gov & e-Health
- information exchange

100+ external prevention services
1996 law puts the bar higher

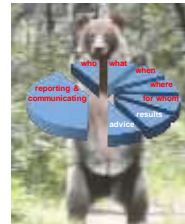
14 external prevention services
(the small ones could not cut it)



2. Reduce administrative overhead

Communicating your work...

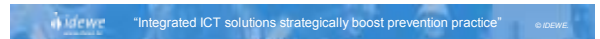
- telling **who** you are
- **what** you are doing
- **when & where**
- **for whom**
- **with which results**
- **advising** future actions
- over and over again
- to each party concerned



... is a lot easier with ICT...

- **only the first time**
- **already planned for you**
- **is planned for you**
- **pick from the planning list**
- **pick from a list of choices**
- **pick from a list of choices**
- **copied & sent automatically**
- **to authorized subscribers**

Free your hands for your real task : tracking down and managing hazards



3. Optimize your planning

From ad hoc planning... ...to what-if simulations & optimizations

- + 35,000 companies
 - + 600,000 workers
 - + 250 exam circuits
 - + 650 experts
 - + 365 calendar days
 - + legal obligations
 - + limited resources
 - + last minute changes
- = a huge puzzle !



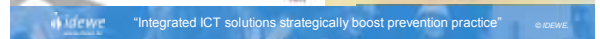
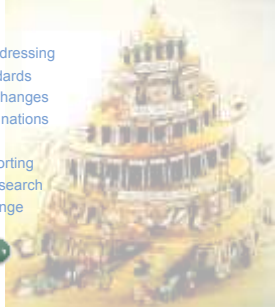
IT helps you line up your priorities !

- planning database + networked planners +
 - real time apps + simulation model +
 - do-it-yourself system + cost control system +
 - optimizing agents + automated follow up +
- = a unique solution



4. Network !

- correct identification & addressing
- enforcing exchange standards
- automatic notification of changes
- central repository of vaccinations
- work accident reporting
- occupational disease reporting
- exposure vs. morbidity research
- secure information exchange



5. Enforce your best practice procedures

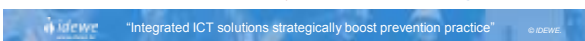
From happy chaos... by software-guidance... to co-ordinated prevention



- missing observations
- unstandardized results
- low quality data
- inconclusive research

IT coaches your rookies !

- complete data sets
- exchangeable results
- validated data
- scientific guidelines



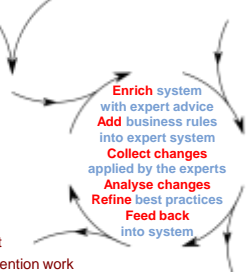
6. Control your quality



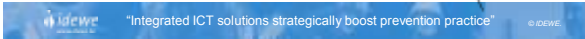


7. Harvest and refine your expertise

- ⇒ Register your prevention work
- ⇒ Measure prevention effects
- ⇒ Analyse registrations
- ⇒ Distill best practices
- ⇒ Formulate expert advice
- ⇒ Establish business rules



Result : a learning, self-improving system that assists you with your prevention work



8. Disseminate your knowledge

Case : Endometriosis

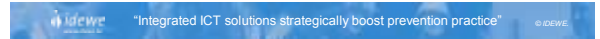
- Software **signals** plausible undetected cases to the team
 -<Non-pregnant females without earlier endometriosis investigation with recurrent sickness absence due to menstrual or abdominal pain>
- Team investigates possible endometriosis using a brief **checklist**
- **Positive ?** Team => **refers** the worker to her GP or gynaecologist
- Early detection boosts the efficacy of laparoscopic laser treatment



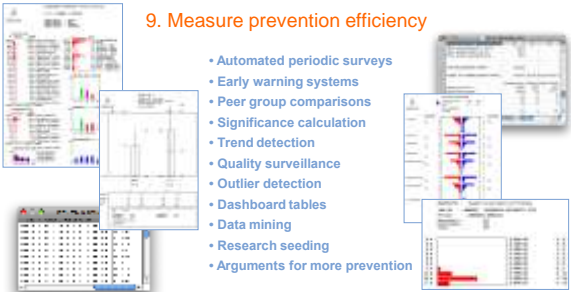
Minimal cost : software will only signal when chances are high and not yet investigated

Prevention results :

- reduction of sickness absence
- better quality of life
- prevention of complications



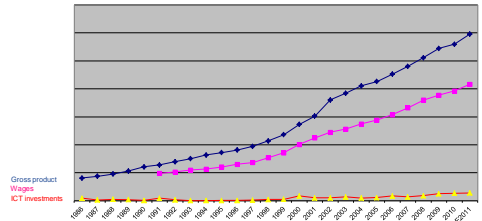
9. Measure prevention efficiency



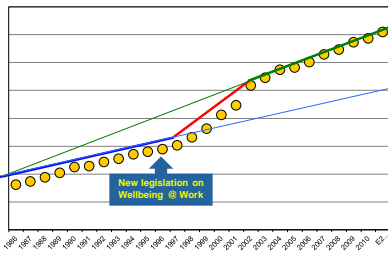
- Automated periodic surveys
- Early warning systems
- Peer group comparisons
- Significance calculation
- Trend detection
- Quality surveillance
- Outlier detection
- Dashboard tables
- Data mining
- Research seeding
- Arguments for more prevention



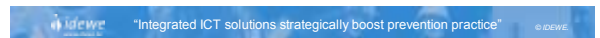
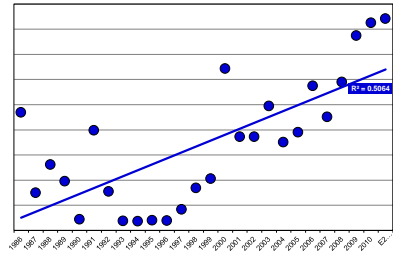
10. Scale advantage : Turnover – Wages – ICT investments



10. Scale advantage : evolution of Turnover

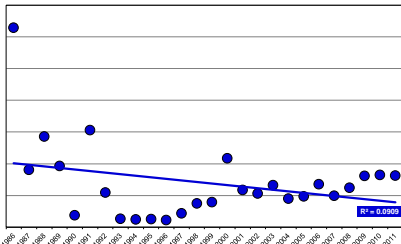


10. Scale advantage : ICT investments (absolute)





10. Scale advantage : ICT investments fraction of Total Expenses



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Building the automation pyramid



from the bottom up takes time
effort
people
creativity
resources
investment
commitment
...

Shopping for ICT solutions is dangerous : markets dry up, vendors quit, systems age...

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Better prevention !

Collaboration between prevention services = Key !

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Group IDEWE is committed to prevention automation for the long haul !



Message : together, we could innovate even faster !

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Together, we could innovate even faster !

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Bart Viaene, MD

Medical IO

Dir. Marc Beurms

CFO-CIO

Interleuvenlaan 58
B-3001 Heverlee
Belgium - EUROPE

Phone: +32 16 39 04 51
Mobile: +32 473 98 02 68
Mail: bart.viaene@idewe.be

Phone: +32 16 39 04 13
Mobile: +32 476 59 70 01
Mail: marc.beurms@idewe.be

<http://www.idewe.be>

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