Trends, Challenges and Strategy in Forensics

Keynote Remarks
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Main Characteristics

- Molecular Biology
- Forensic Chemistry
- Crime Scene & Incident Teams
- Forensic Medicine
- Digital Technology
- Training & Education
- Micro Traces
- Biometrics

2012:
Caseload: 80,000
Staff: 700 (incl)
Budget: 100 m$
Trends
Challenges
Strategy
Growth
Growth

Technology

New Users
DNA / RNA-Cell Typing

Technology

Chemistry

Digital Technology
New Users

- Civil and Administrative Law
- Safety and Security (Defense, Intelligence)
- Private Sector
Customers
Customer Focus
Customer Focus

Information Value Added

Speed × Costs

Customer Needs:
- More information
- Faster
- More Efficient

$max$
#1 challenge: Backlogs

Technology drives demand, capacity lags

No price, no value, no revenues

No Service Level Agreements

Inefficient production processes
NFI 2007:
18,000 cases backlog
Strategic measure 1: Service Level Agreements
Strategic measure 2: Process Redesign
Strategic measure 3:
Speed focused R&D
NFI delivery Times (2007-2012)

over complete product range

>90 % in 4 years
#2 Challenge:

More IVA through more objective interpretation

Research
1. Crime scene capturing, investigation, and reconstruction
2. Forensic statistics
3. Improved trace processing
4. Small traces in context
5. Digital traces and biometrics
6. Forensic genomics
Towards mature and integrated business models
Strategic partners

Research & Development

Commodity Forensic Services

High-End / Tailor Made Services

Products & Tools

Consultancy, Training & Education

High Volume

High added value

Development

NFI - Academy
The R&D Engine

Services

R&D

Tools

Revenue
Products and Tools

Memory Toolkit II
Forensic Faraday Cage
XIRAF
Bonaparte

MTKII

Forensic Faraday Cage

XIRAF

Bonaparte
Innovation Network

Aerospace

Gaming Industry

Microbiology

Health

IT
Defragmentation
Forensics: A Fragmented Field

Single Jurisdiction
Small Operations
Vulnerable
Diseconomies of Scale
Consolidation, scale and ‘Cross Border’ Flows of Products and Services

- Specialization
- Critical Mass
- Economies of Scale
NFI 2012
Increasing need for Training & Education
Forensics = Automation

Manual labor
Low productivity

Knowledge worker
High productivity
NFI Academy (2010 - ...)

NFI Academy 2011: 27,000 man-days
Conclusion

Forensic Field is going through disruptive change

Trends:

- Growth
- Customer focus
- Defragmentation
- Training and Education
Netherlands Forensic Institute

End of Presentation