Sistem Pengelolaan Bukti Elektronik

ALPHA-22   BRAVO-003   ALPHA-22   BRAVO-003

F-LIMS

Forensic Lab Information Management System

International Standards

Current International Standards above Electronic and Physical Evidence Collection, Procurement, Analysis, and Preservation
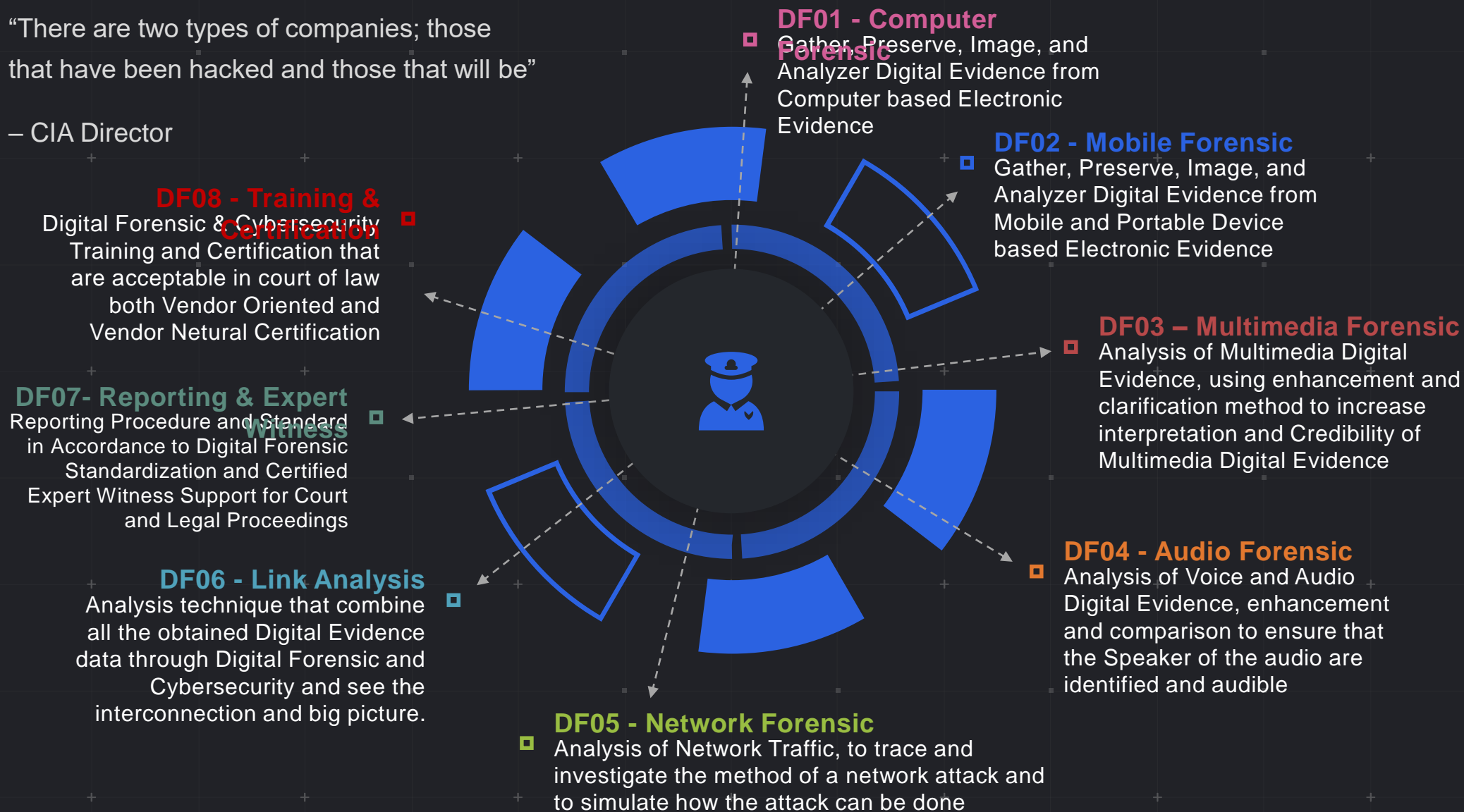
"

"the law holds that it is better that 10 guilty persons escape, than that 1 innocent suffer" - William Blackstone, 1769 ›

"

ISO/IEC 27043:2015

ISO/IEC 27037:2012

IAPE Professional Standards

CoE Electronic Evidence Guide

FBI Lab Division 2019 – Handbook of Forensic Services

DIGITAL FORENSIC DIMENSION

"There are two types of companies; those that have been hacked and those that will be"

– CIA Director

DF01 - Computer Forensic
Gather, Preserve, Image, and Analyzer Digital Evidence from Computer based Electronic Evidence

DF02 - Mobile Forensic
Gather, Preserve, Image, and Analyzer Digital Evidence from Mobile and Portable Device based Electronic Evidence

DF03 – Multimedia Forensic
Analysis of Multimedia Digital Evidence, using enhancement and clarification method to increase interpretation and Credibility of Multimedia Digital Evidence

DF04 - Audio Forensic
Analysis of Voice and Audio Digital Evidence, enhancement and comparison to ensure that the Speaker of the audio are identified and audible

DF05 - Network Forensic
Analysis of Network Traffic, to trace and investigate the method of a network attack and to simulate how the attack can be done

DF06 - Link Analysis
Analysis technique that combine all the obtained Digital Evidence data through Digital Forensic and Cybersecurity and see the interconnection and big picture.

DF07- Reporting & Expert Witness
Reporting Procedure and Standard in Accordance to Digital Forensic Standardization and Certified Expert Witness Support for Court and Legal Proceedings

DF08 - Training & Certification
Digital Forensic & Cybersecurity Training and Certification that are acceptable in court of law both Vendor Oriented and Vendor Netural Certification

DIGITAL INTELLIGENCE
INTEGRATED PLATFORM

GATHERING

DISTRIBUTING

USING

Digital Sources

Artificial Intelligence

In the Field

FIELD SOLUTIONS

Digital Evidence Management

INVESTIGATION SOLUTIONS

Investigators

In the Station

Prosecutors

LAB SOLUTIONS

MANAGEMENT & COMPLIANCE SOLUTIONS

Agency Management

In the Lab

Data Storage

Lab Practitioners

Common Risks & Challenges +

Chain of Custody Management

The **volume** of evidence, variation in evidence **types** and the need to pass evidence to **multiple** internal and external experts, often on multiple occasions places a significant risk on maintaining a defensible (i.e. auditable) chain of custody

Team & Stakeholder Management

The recording, co-ordination and management of large cohorts of investigative **stakeholders** ranging from core case **investigators** to **suspects**/ **custodians** to **defence** and **prosecution** teams poses an added administrative burden and risk on investigations – what if the wrong person is allocated the wrong role and provided with the wrong information?

Accountability

Successful investigations require efficiency and **planning** – Who does what when? How do we know that **timelines** and **service level agreements** are being met and any impacts on the critical path of the investigation?

The Agency Disconnect Today

WHERE HUMANITY IS:

Digital	Physical

WHERE AGENCIES ARE:

Digital	Digital Intelligence Bridges this Gap Physical

What if you could ?

Effectively manage investigation data, evidence & results?

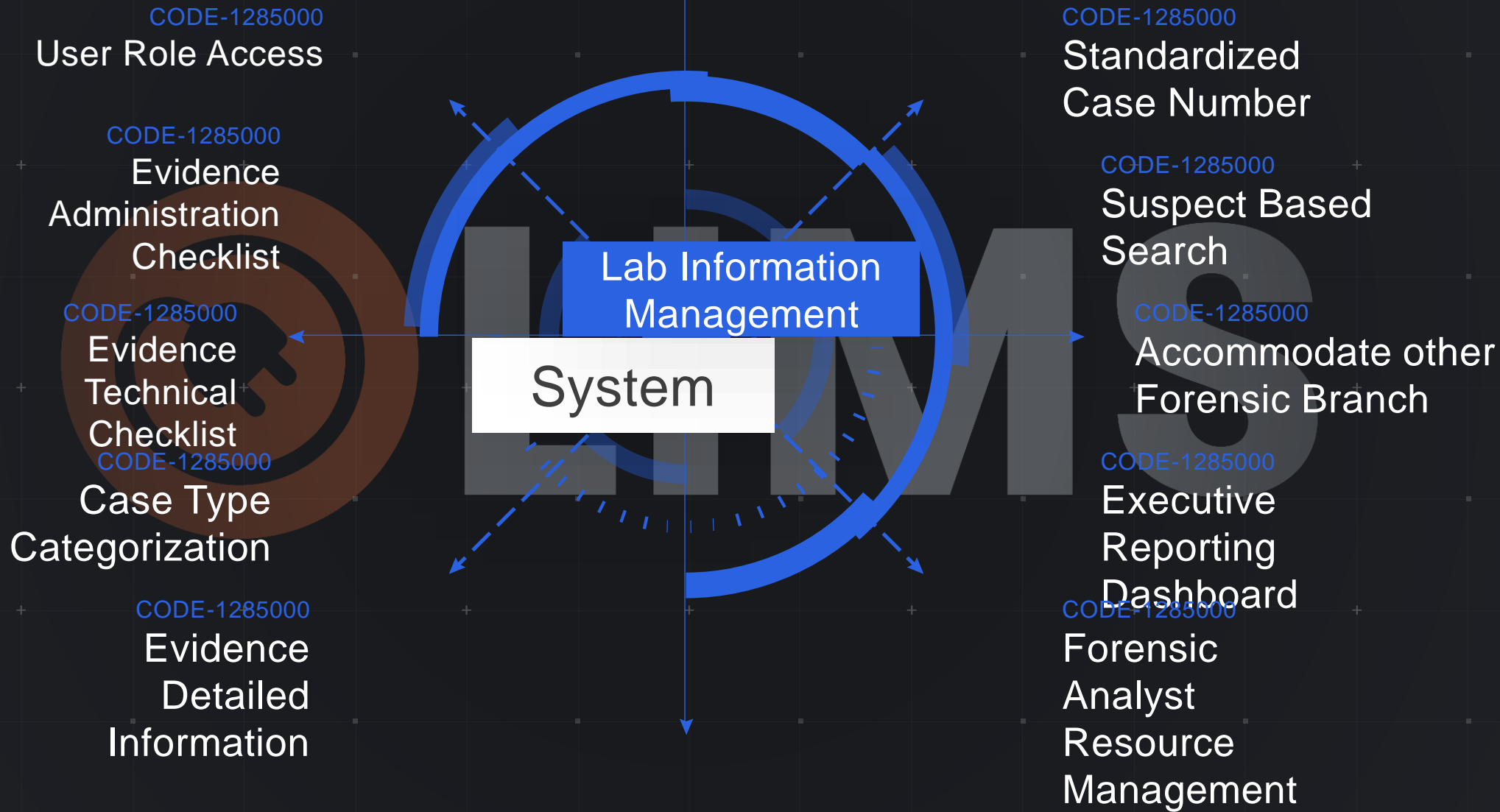Have real-time visibility on investigation actions & workloads?

Collaborate better with other stakeholders?
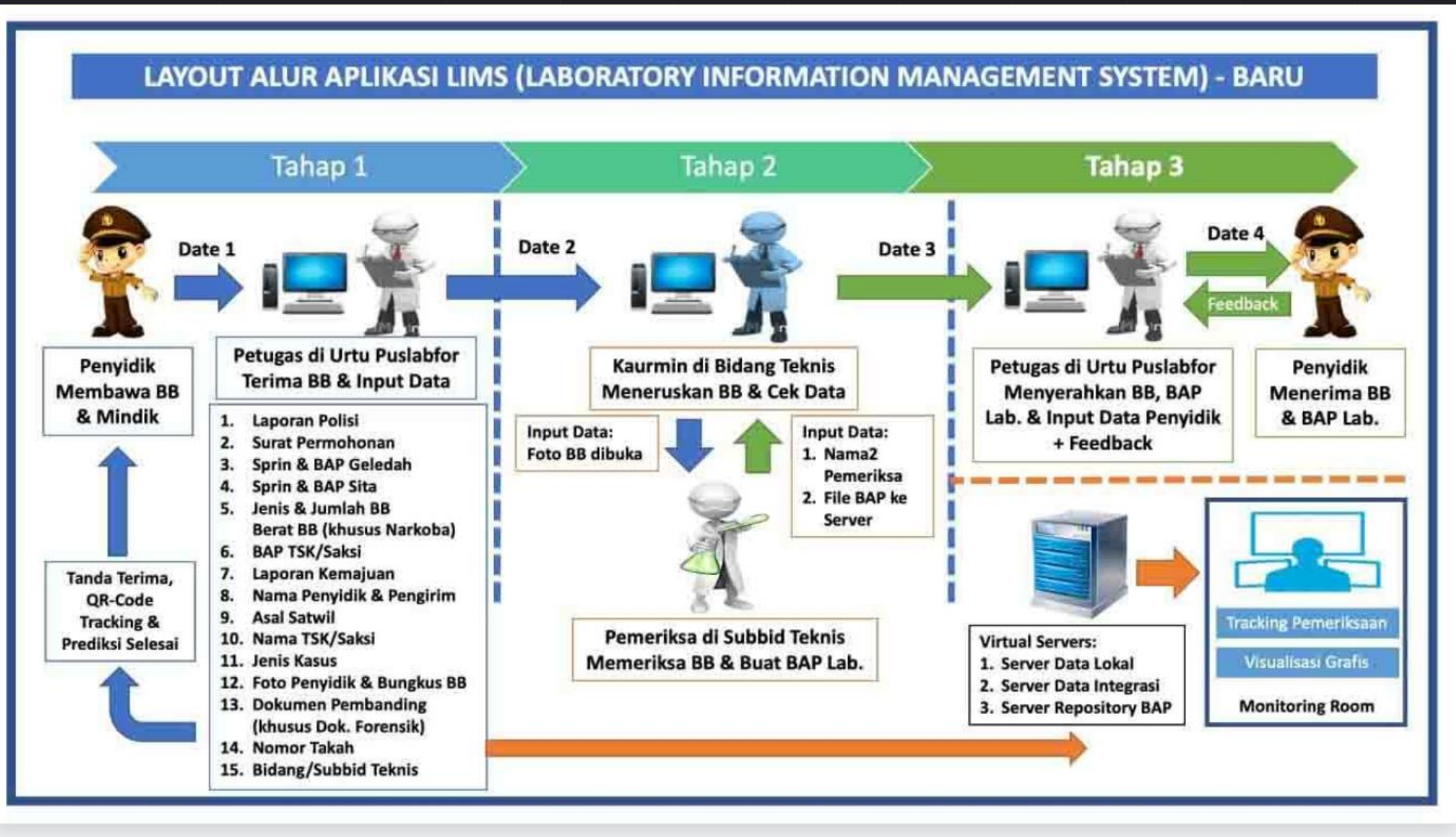
Boost operational efficiency and improve quality?

Have a real time access to Weekly / Monthly and Yearly report for cases ?

Electronic Evidence System Overview +
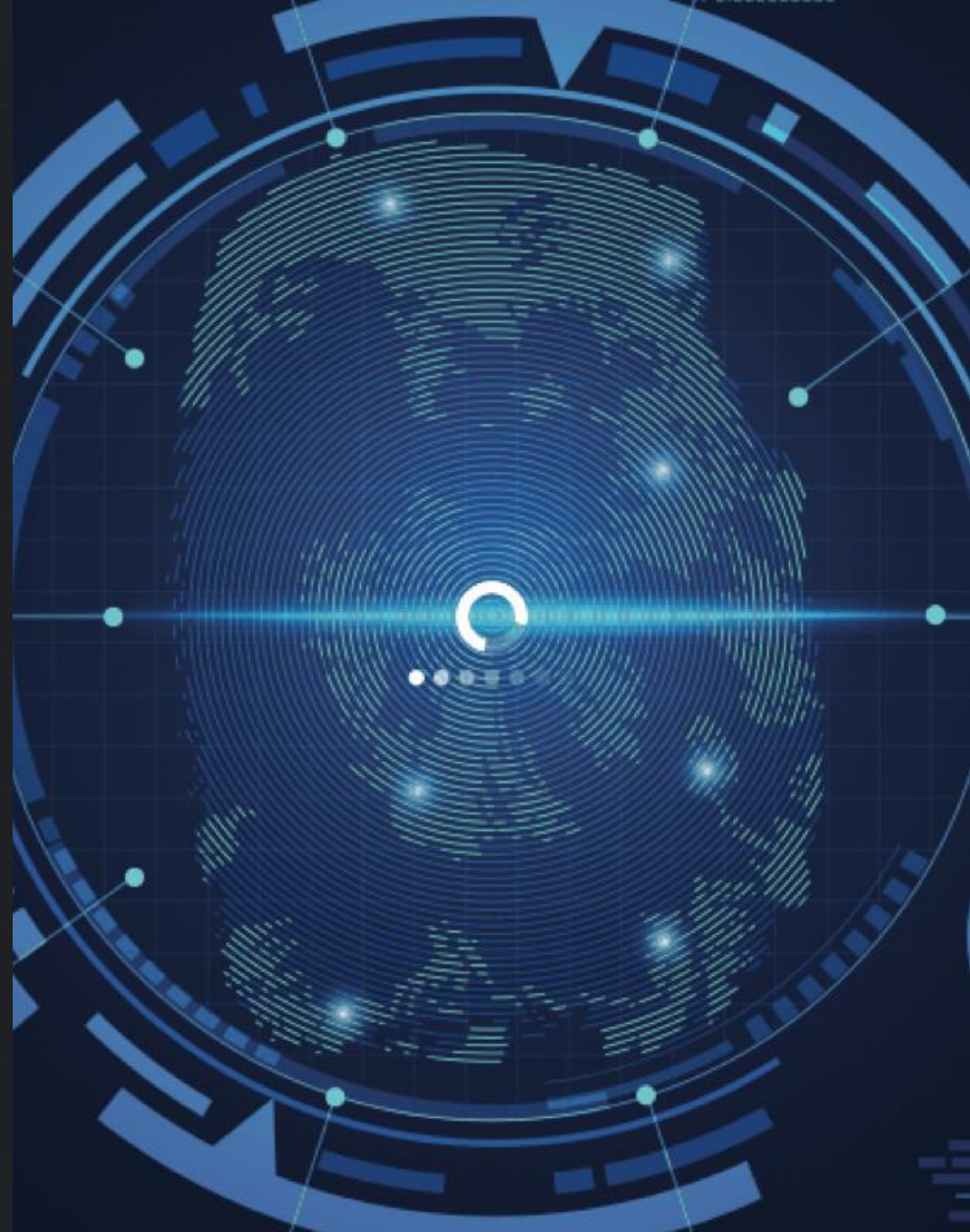
LIMS Workflow+

Designed by & Referenced from

Kombes Pol. Muhammad Nuh Al-Azhar, M.Sc., CHFI., CEI., ECIH

Other Forensic Branch+

Dokumen & Uang Palsu

Bertugas menyelenggarakan pelayanan pemeriksaan teknis kriminalistik TKP dan pemeriksaan laboratoris kriminalistik barang...

Selengkapnya

Balistik & Metalurgi

Bertugas menyelenggarakan pelayanan pemeriksaan teknis kriminalistik TKP dan pemeriksaan laboratoris kriminalistik barang...

Selengkapnya

Fisika & Komputer

Bertugas menyelenggarakan pelayanan pemeriksaan teknis kriminalistik TKP dan pemeriksaan laboratoris kriminalistik barang...

Selengkapnya

Other Forensic Branch+

Kimia & Biologi

Bertugas menyelenggarakan pelayanan pemeriksaan teknis kriminalistik TKP dan laboratoris kriminalistik barang bukti kimia...

Selengkapnya

Narkotika & Obat Berbaha...

Bertugas menyelenggarakan pelayanan pemeriksaan teknis kriminalistik TKP dan pemeriksaan laboratoris kriminalistik barang...

Selengkapnya

Dokumen & Uang Palsu

Bertugas menyelenggarakan pelayanan pemeriksaan teknis kriminalistik TKP dan pemeriksaan laboratoris kriminalistik barang...

Selengkapnya

LIMS

Dashboard - Tahap I

Dashboard - Tahap III

Tahap I:
Penerimaan Barang Bukti dari Penyidik

Tahap II:
Pemeriksaan Laboratoris Barang Bukti

Tahap III:
Penyerahan BAP Laboratoris dan Barang Bukti Ke Penyidik

Searching

Edit Takah

Roy Eka Yonata

Dashboard Urtu - Tahap I

Total Penerimaan Barang Bukti Dari Penyidik
1885

Total Penyerahan Barang Bukti Ke Kaurmin
1767

© LIMS LABFOR POLRI 2020

Penerimaan Barang Bukti

1. Identitas Penyidik/Pengirim

Tgl. Penerimaan

dd/mm/yy 📅

Jenis Identitas

Pilih Jenis Identitas ▾

No. Identitas

▾ 🔍

Pangkat

Pilih Pangkat ▾

Nama Penyidik/Pengirim

No. HP/Telp

Foto Penyidik/Pengirim

🖼 Cari File Foto 📷 Gunakan Webcam

Tanda Tangan

Simpan Tanda Tangan

Bersihkan Tanda Tangan

No. Surat Permintaan	
Tgl. Surat Permintaan	dd/mm/yyyy
Asal Permintaan	Pilih Asal Permintaan ▾

Satuan Wilayah Peminta

Mabes POLRI/Satwil	Pilih Mabes POLRI/Satwil ▾
Satker	Pilih Direktorat ▾
Polda	Pilih Polda ▾
Polres	Pilih Polres ▾ ...
Polsek	Pilih Polsek ▾ ...
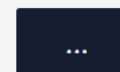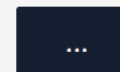
Pilih Lembaga

Lembaga	Pilih Lembaga ▾

Simpan

2. Kasus dan Barang Bukti

Jenis Kasus

Barang Bukti 1

Keterangan/Deskripsi

Dibuka Oleh

3. Takah

Bidang   Fisika dan Komputer Forensik

Sub Bidang   Sub Bidang Komputer Forensik

Nomor Takah

Kirim Takah ke Kaurmin?   Ya, Kirim Takah

☐ Sprin Penyitaan

☐ BAP Penyitaan

☐ BAP Saksi

☐ BAP Tersangka

☐ Laporan Kemajuan

Mindik Tambahan 1   SPRIN TUGAS, SPRIN PENYIDIKAN, BA BUNGKUS

LIMS

- Dashboard - Tahap I
- Dashboard - Tahap III
- **Tahap I:** Penerimaan Barang Bukti dari Penyidik
- **Tahap II:** Pemeriksaan Laboratoris Barang Bukti
- **Tahap III:** Penyerahan BAP Laboratoris dan Barang Bukti Ke Penyidik
- Searching
- Edit Takah

Dashboard Urtu - Tahap III

Total Penerimaan BAP Laboratoris Dan Barang Bukti Dari Kaurmin
1148

Total Penyerahan BAP Laboratoris Dan Barang Bukti Ke Penyidik
11

Pencarian Takah

Pencarian Takah
By Penerimaan BB/Takah

Pencarian Takah
By Tersangka

4. Keterangan/Catatan

Keterangan Formil Tambahan

Keterangan Teknis Tambahan

Kasus Menonjol

TKP Pemeriksaan

5. Pemeriksa Forensik

Nama Pemeriksa 1

Nama Pemeriksa 2

Nama Pemeriksa 3

Nama Pemeriksa 4

6. Upload BAP Laboratoris

7. Yang Diserahkan

Yang Diserahkan ☑ BAP Laboratoris

☐ Barang Bukti

LIMS Future Update

1st 2nd 3rd 4th NEXT

2020 - 2021
Inventory System
Built Forensic Tools Inventory System to keep track any items that have expiry dates and allow forward planning

2021 - 2022
Electronic BAP
Secure storage for Forensic Analyst report that reduce paper use in the future (Digitalization)

2022 - 2023
Hardened Security
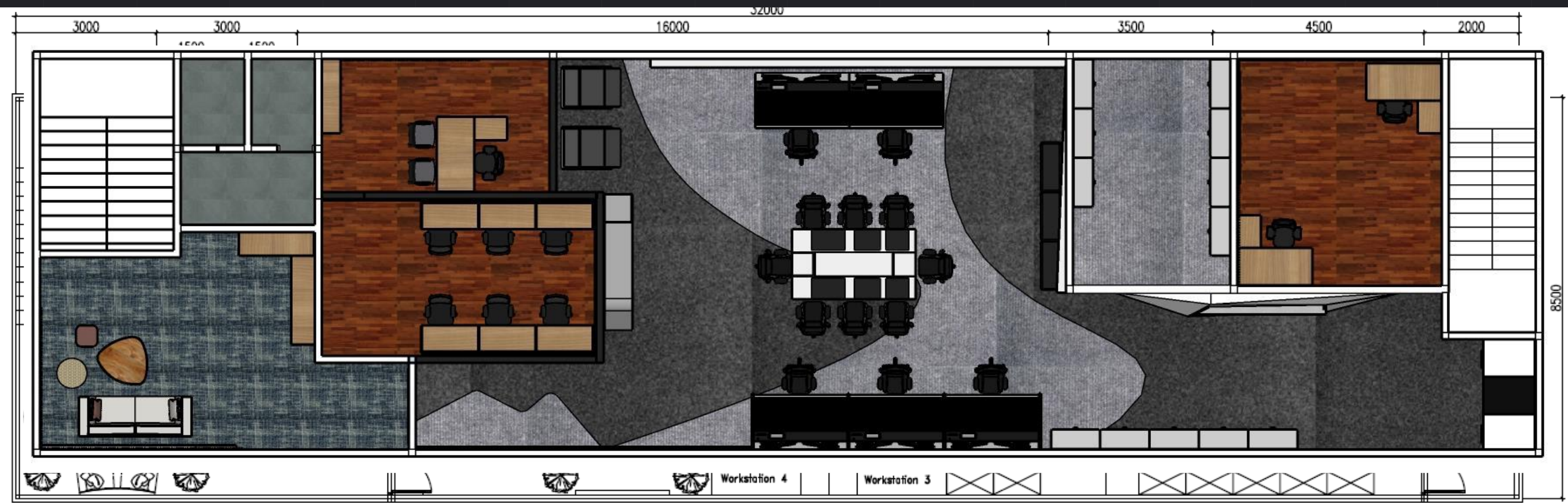Increase Cyber Security and Awareness both for Infrastructure and Human Resources Knowledge

2023 - 2024
Integration
Integration with other Investigative tools and Artificial Intelligence to provides birds eye view for Leadership Elements
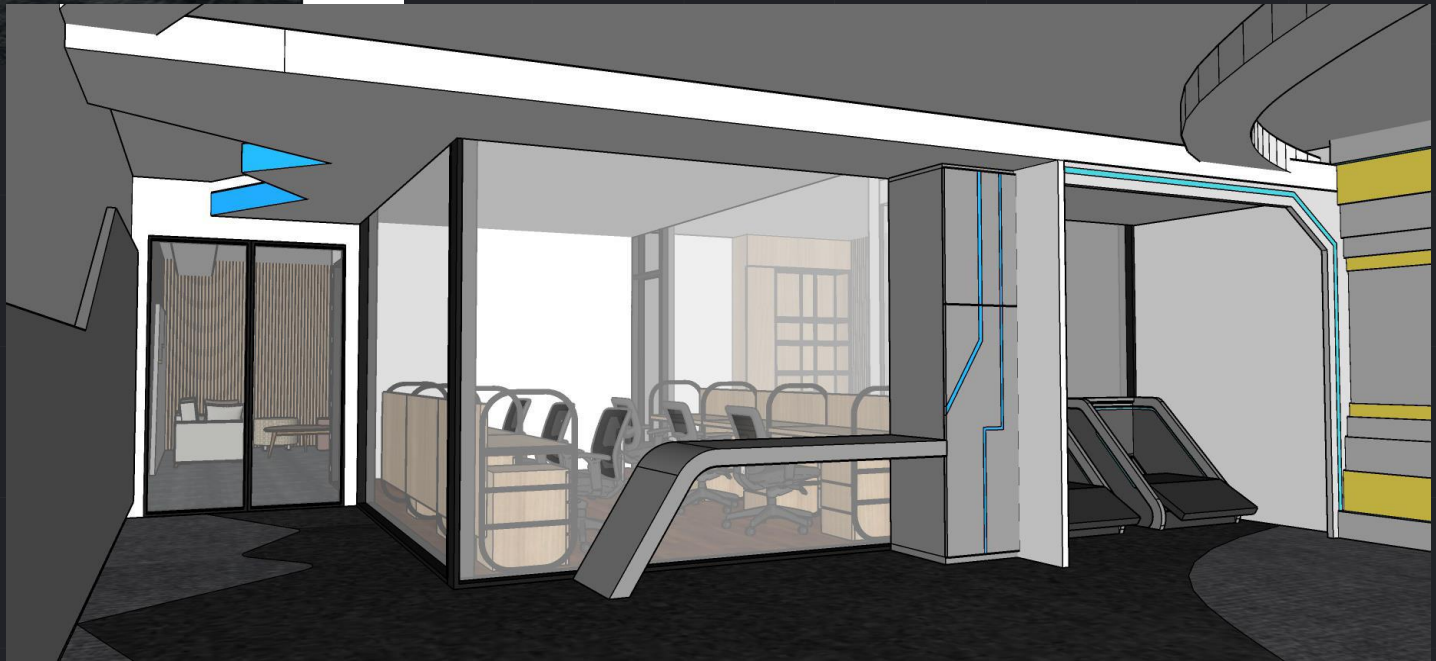
Example Laboratory Design+

Focus on unique and specific architectural/engineering design

DIGITAL FORENSICS

LABORATORY

SOLUTION

32000

3000 | 3000 | 16000 | 3500 | 4500 | 2000

1500 | 1500

8500

Workstation 4 | Workstation 3

Illustrative Draft Design

Discussion Area+

Entrance
+

Illustrative Draft Design

Main Analysis Area+

Physical Evidence Storage+

Illustrative Draft Design

Lab Supervisor Room +

Analyst Station +

Illustrative Draft Design

Archiving Area+

Secure Access Point+

Illustrative Draft Design
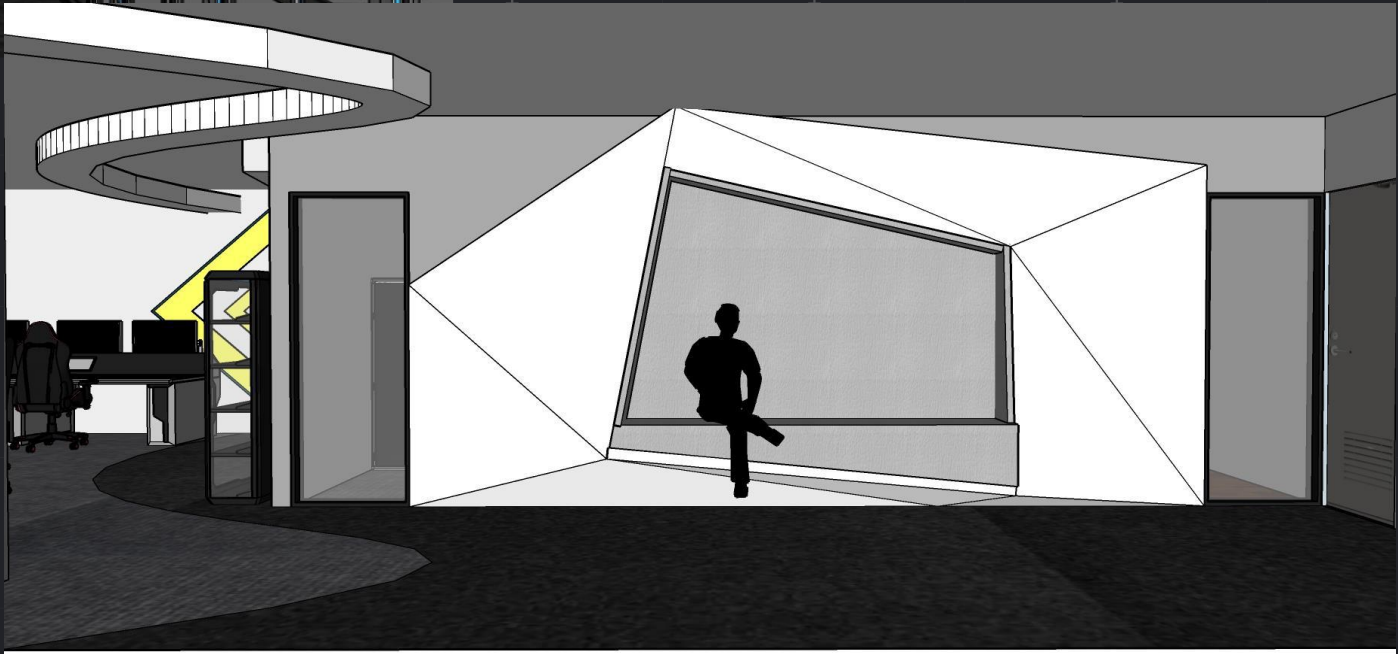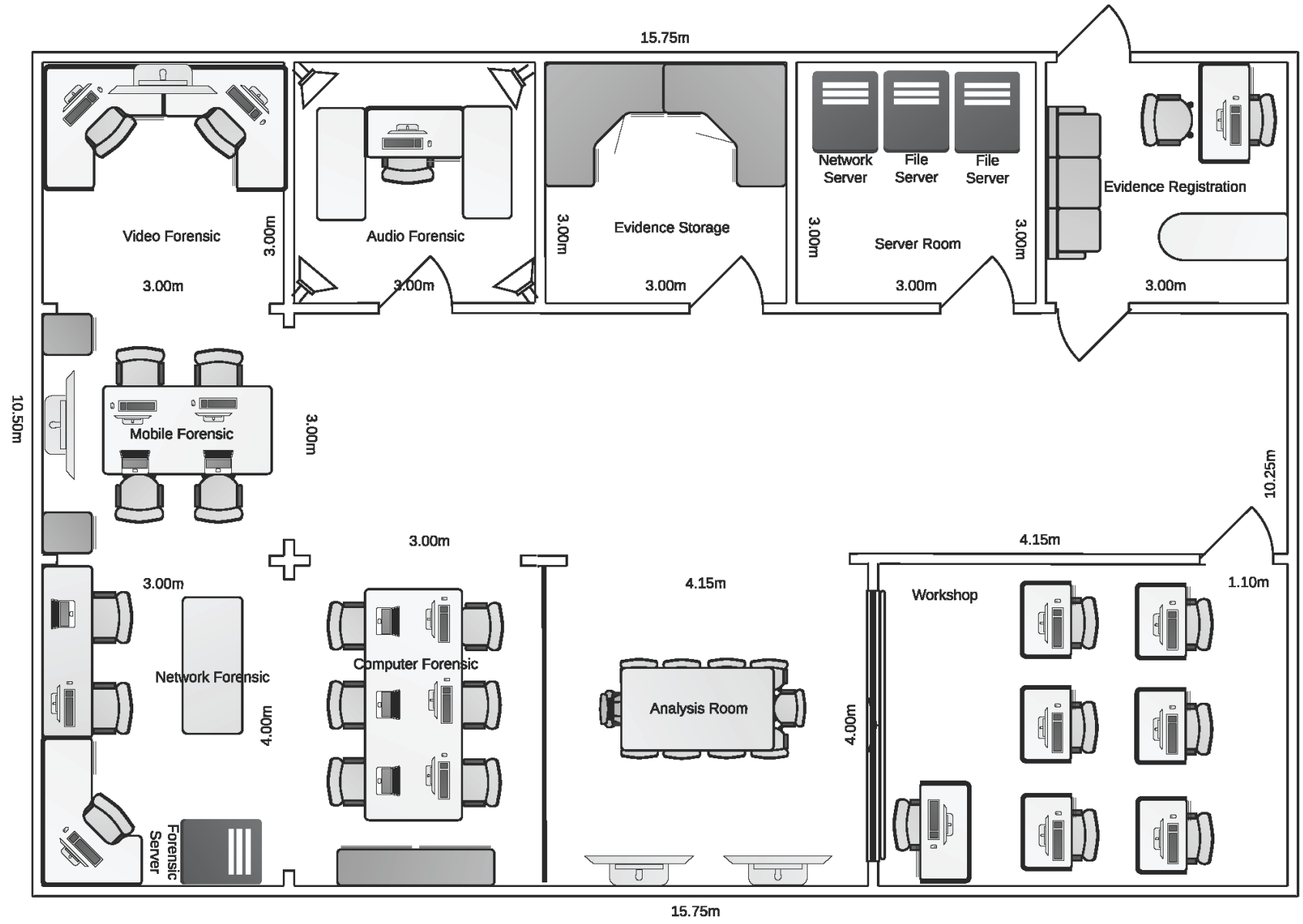
Control & Security
Operation Centre+

Real Implementation

Mobile Forensic Lab+

Illustrative Draft Design
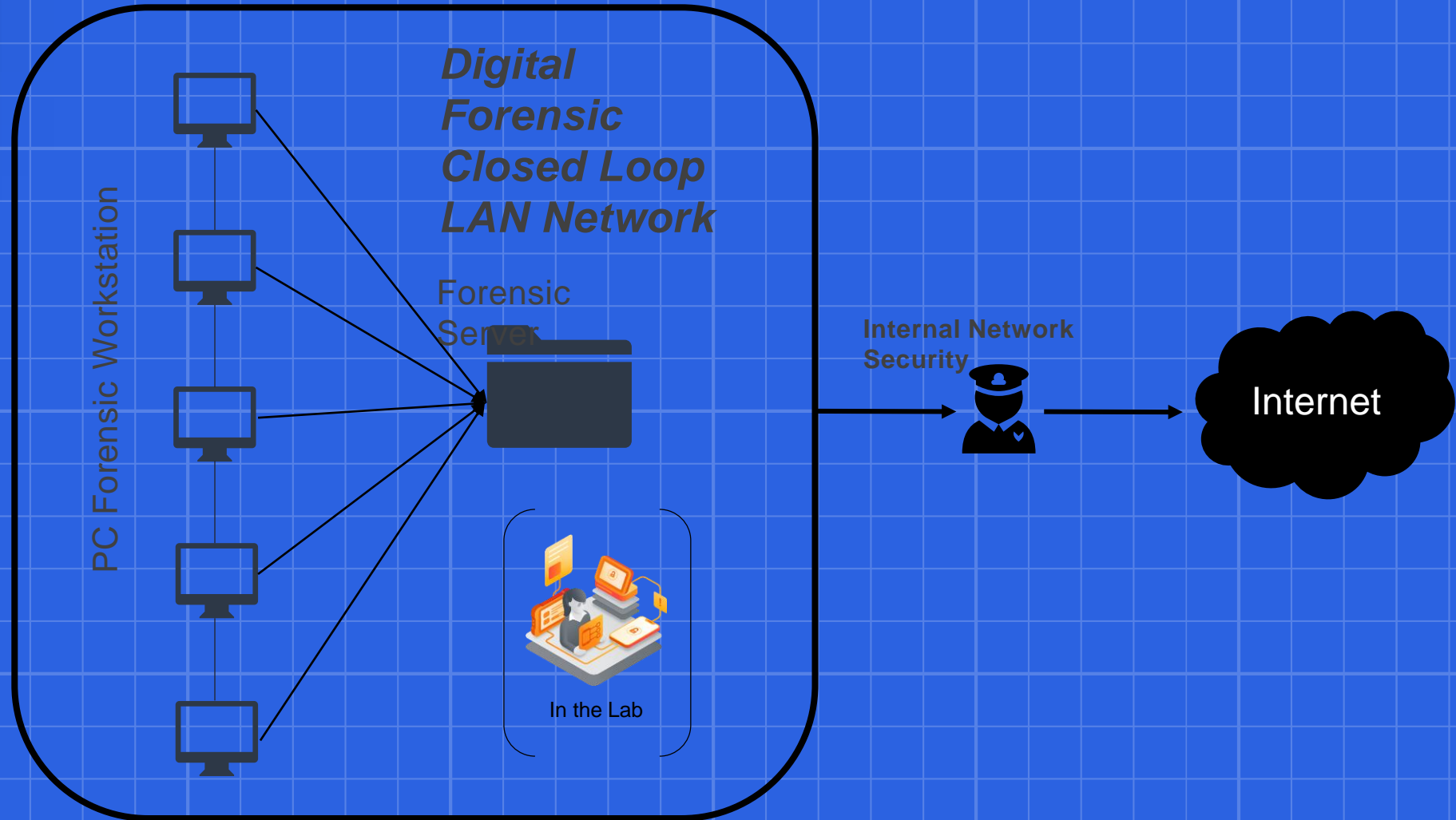
NO	REVISION RECORD	ZONE	DATE	DR	AUTHY
△	-	-	-	-	-

1430

1550
1905

2799
4670

1550
1905

Meja Kerja(lipat) + Kabinet
Captain Seat
Tool Box
UPS

Working
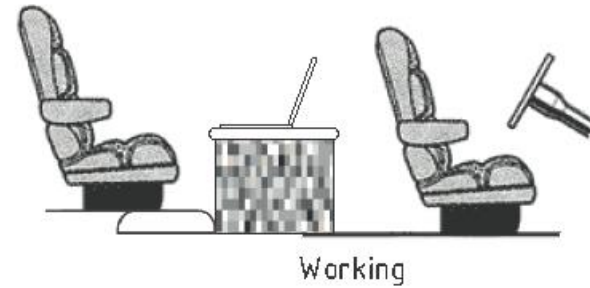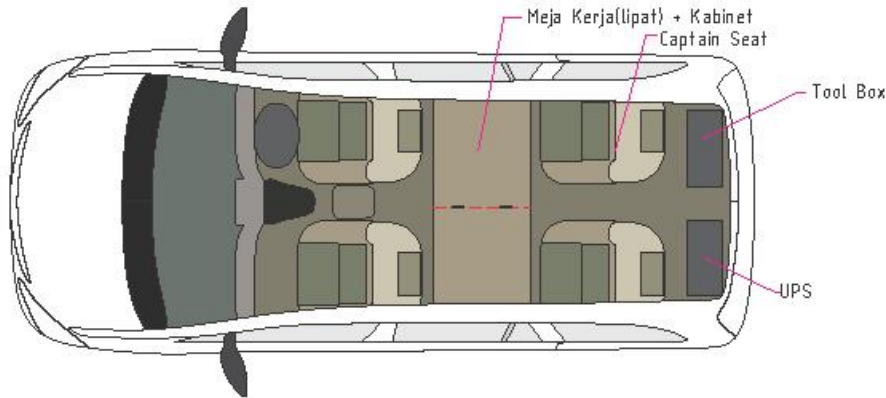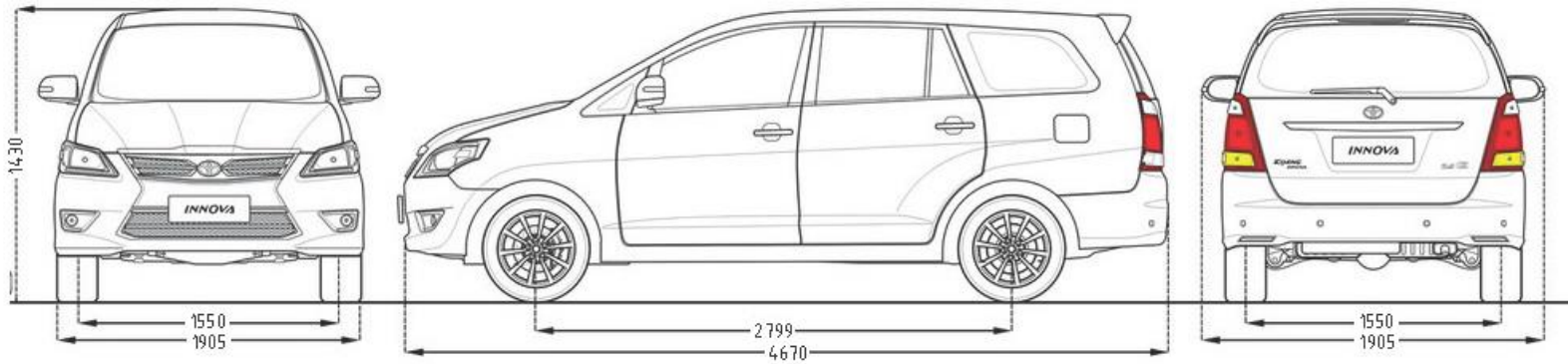
NAME	MODIFIKASI KIJANG INNOVA						
FR / RP 002 / EPD 003 / 00		SCALE FREE	ISSUE DATE 11 04 2015		PRINT	UNIT	MM
APPROVAL	CHECKER	DRAFTER	CUSTOMER				
			UNIT TYPE	KIJANG INNOVA			
			MODEL				
BUDI	ISMAIL G.	TRI YOGO	DRAWING NO.				
BKS PT. BENGAWAN KARYA SAKTI							A4

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