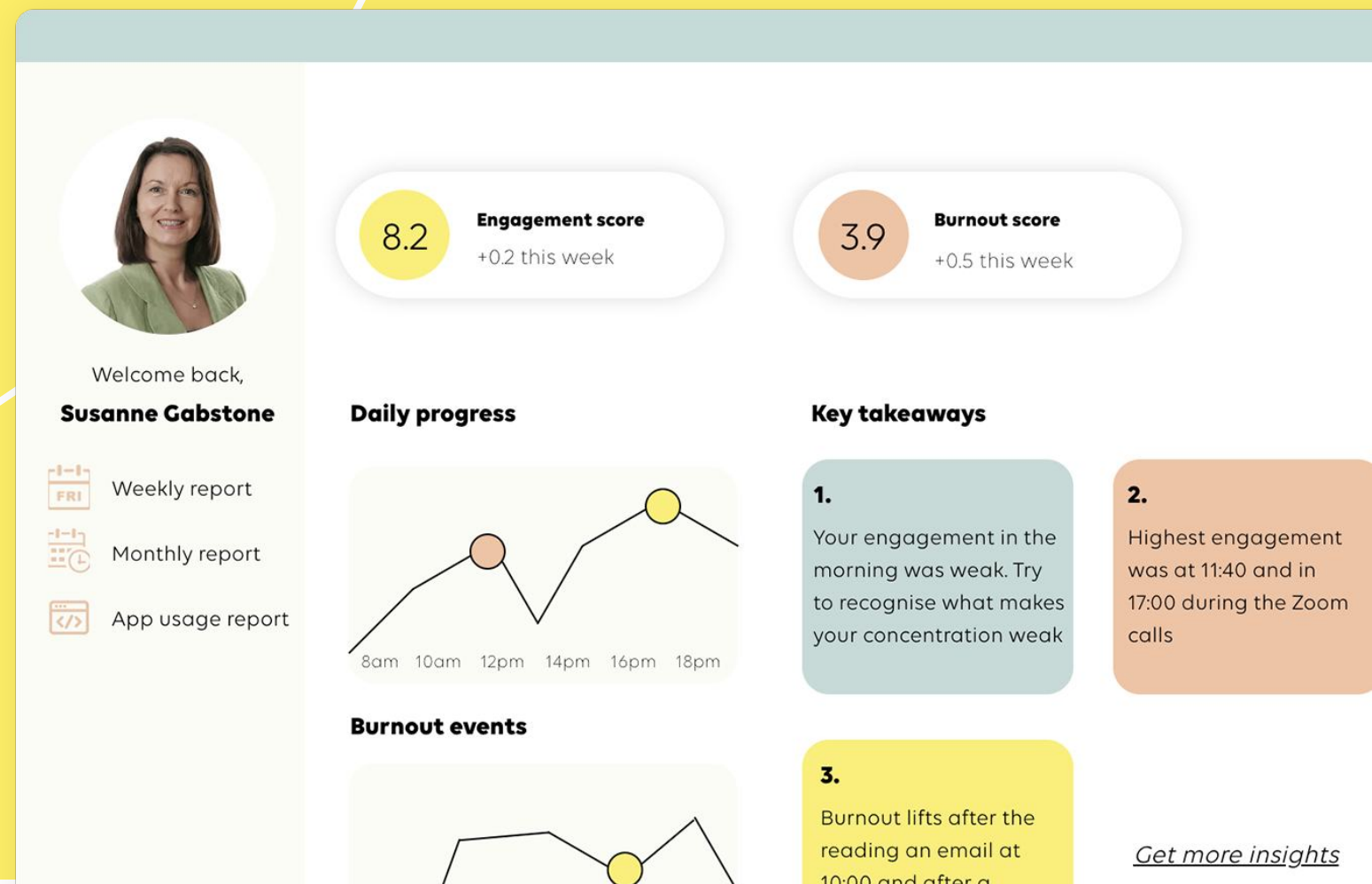# scopd

Objective data is the basis of an effective business

SCOPD provides comprehensive solutions for insider threat prevention, DLP, and UEBA software.

scopd.net

Welcome back,
Susanne Gabstone

Weekly report

Monthly report

App usage report

8.2	**Engagement score** +0.2 this week
3.9	**Burnout score** +0.5 this week

Daily progress

8am 10am 12pm 14pm 16pm 18pm

Burnout events

Key takeaways

1.
Your engagement in the morning was weak. Try to recognise what makes your concentration weak

2.
Highest engagement was at 11:40 and in 17:00 during the Zoom calls

3.
Burnout lifts after the reading an email at 10:00 and after a

Get more insights

Current Challenges in Cybersecurity and Employee Behavior Analysis

Rising Cyber Threats:
Cyber-attacks are getting more advanced and frequent

Insider Risks:
Potential threats from employees, whether intentional or accidental

Limitations of Traditional Security:
Old methods are not effective against modern threats and cannot easily spot unusual behavior

Lack of Real-Time Monitoring:
Absence of continuous monitoring to detect and stop threats early

Protection of Intellectual Property:
Need to secure sensitive company information and trade secrets

Understanding Employee Actions:
Crucial to monitor and understand employee behavior, including remote workers, to ensure security and efficiency

✓ **Our Comprehensive Monitoring Solutions Computer and Remote Employee Monitoring:**
Track user activity, monitor screens, and create screenshots for both in-office and remote employees to enhance transparency, control, and prevent data leaks, ensuring security and maintaining trust

✓ **Time Management and HR User Behavior Analytics:**
Utilize HR tools for detailed analysis of workforce productivity, managing work hours, and generating comprehensive reports to optimize processes and increase efficiency

✓ **Data Loss Prevention (DLP):**
Our DLP solutions safeguard sensitive data, prevent unauthorized access, and ensure compliance with data protection regulations

✓ **Advanced threat alert system:**
Our system will alert the responsible party to any attempts of unauthorized access or employee misconduct

Internal Incidents and Potential Consequences

Internal Incident Examples:

✓ Leaks of personal client data

✓ Leaks of business information

✓ Compromised client databases

✓ Disclosure of client requests

✓ Employees working second jobs

✓ Workplace discipline violations

✓ Insider Threats

✓ Misappropriation of equipment

✓ Unauthorized projects

Consequences:

✓ Reputational damage

✓ Financial penalties Loss of company profits

✓ Loss of profits

✓ Legal liabilities

✓ Operational downtime

✓ Increased compliance costs

✓ Data recovery costs

✓ Employee turnover

✓ Client loss

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SCOPD - A Holistic Strategy for Boosting Your Business Efficiency

Our universal solution can be applied to small, medium, and large businesses across various industries, for those who want to be leaders in their field

For business owners, top management and CISO

- ✓ Implementing a robust strategic planning system based on objective data
- ✓ Conducting comparative analysis of departmental and branch performance 24/7
- ✓ Intellectual Property Protection
- ✓ Preventing Information Leakage (DLP)
- ✓ Fight against insider trading
- ✓ Gathering evidence to protect your rights
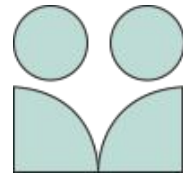
For managers of all levels

- ✓ Employee engagement rating
- ✓ Support for strategic decisions
- ✓ Integrating objective KPIs
- ✓ Simplifying the reporting system
- ✓ Clearly distinguish between "bad" and "good" performance for a particular department or employee
- ✓ Search for strengths and weaknesses of links in the company
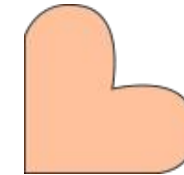
For HR directors

- ✓ Assistance in staff adaptation
- ✓ Accounting for the time spent by remote workers
- ✓ Effective implementation of the process of integrating new personnel during the period of adaptation to the team
- ✓ Identify areas of growth and development for the company's staff
- ✓ Analysis of the company's staff loyalty

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Analytics

80
reports

100
functions

🔍 Monitoring and control

Communications
- ✓ Calls
- ✓ E-mail
- ✓ Messengers

User behavior
- ✓ Sites visited
- ✓ Internet queries
- ✓ Programs
- ✓ Neuronetwork engine
- ✓ Geolocation

DLP control
- ✓ Face recognition
- ✓ File operations
- ✓ Hardware and software
- ✓ Print on the printer
- ✓ Atypical behavior
- ✓ StopPhoto
- ✓ Inventory of software and equipment

📊 Risk analysis

Complex risks
- ✓ Report wizard
- ✓ Global search
- ✓ Deviations from the norm
- ✓ Comparison of departments
- ✓ Automatic risk analyzer
- ✓ Time tracking
- ✓ "Red Button" and "Black Box"

Reports by category
- ✓ Contacts and schedule of relationships
- ✓ Keyboard handwriting
- ✓ Detection of falsifications
- ✓ Activity feed
- ✓ User time
- ✓ Installing programs
- ✓ CPU and GPU workload

🔎 Registration of actions

Online surveillance
- ✓ Screenshots of the screen
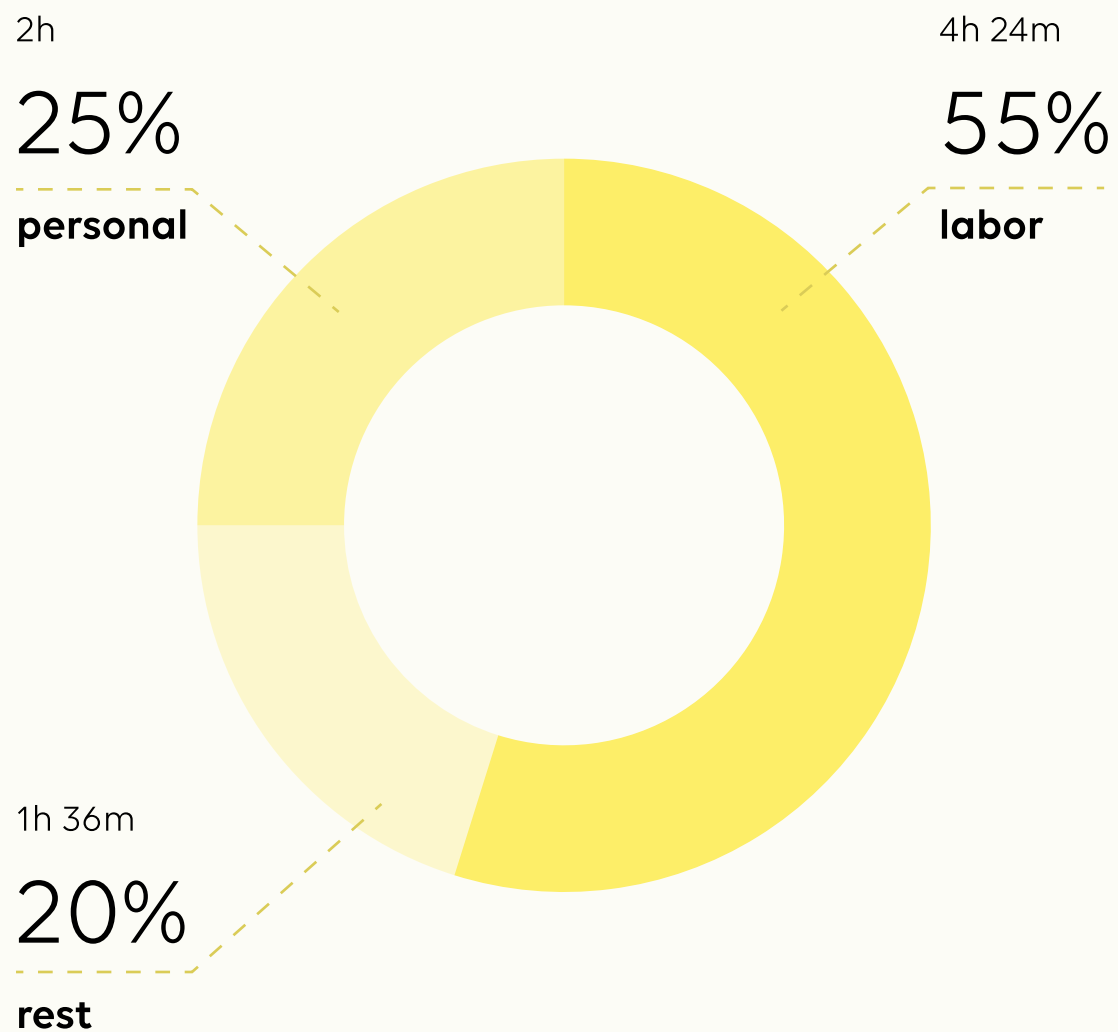- ✓ Video from the screen
- ✓ Recording from a webcam

Different data collection modes for user groups

Ability to fine-tune the depth of control for departments, divisions, and individual employees
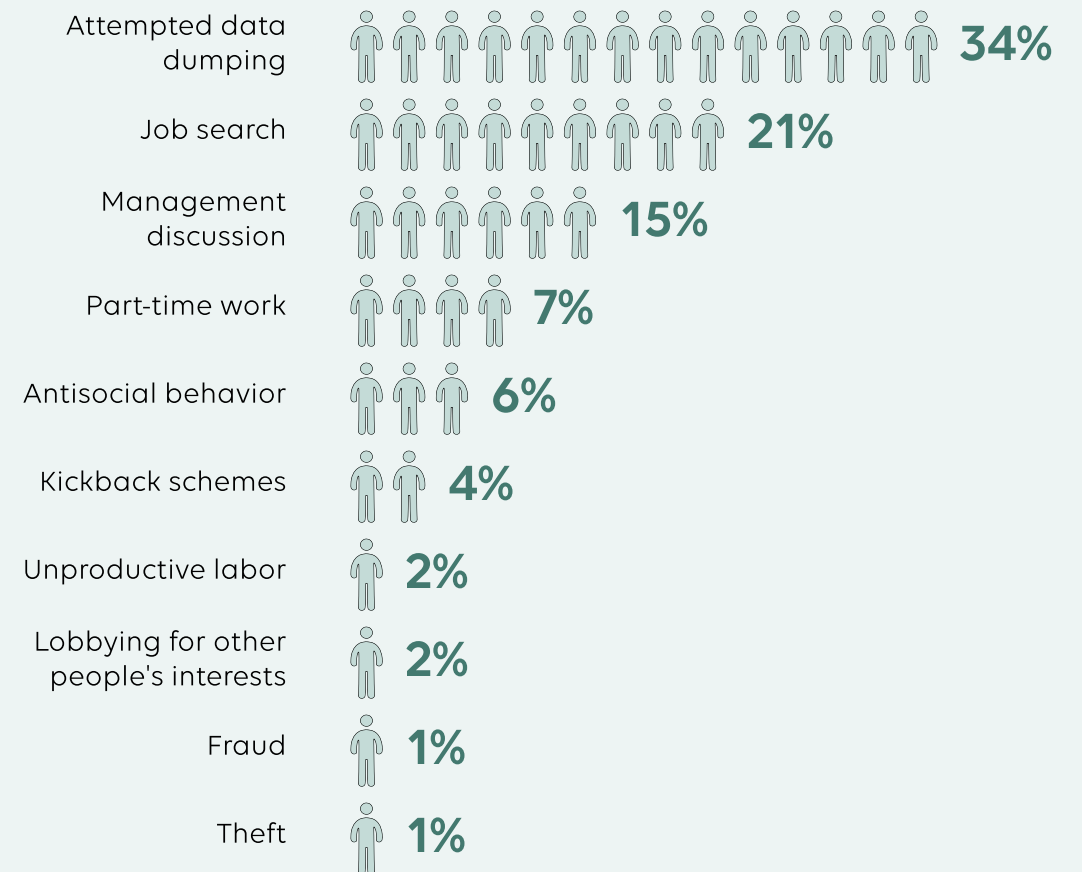
Integration with Telegram
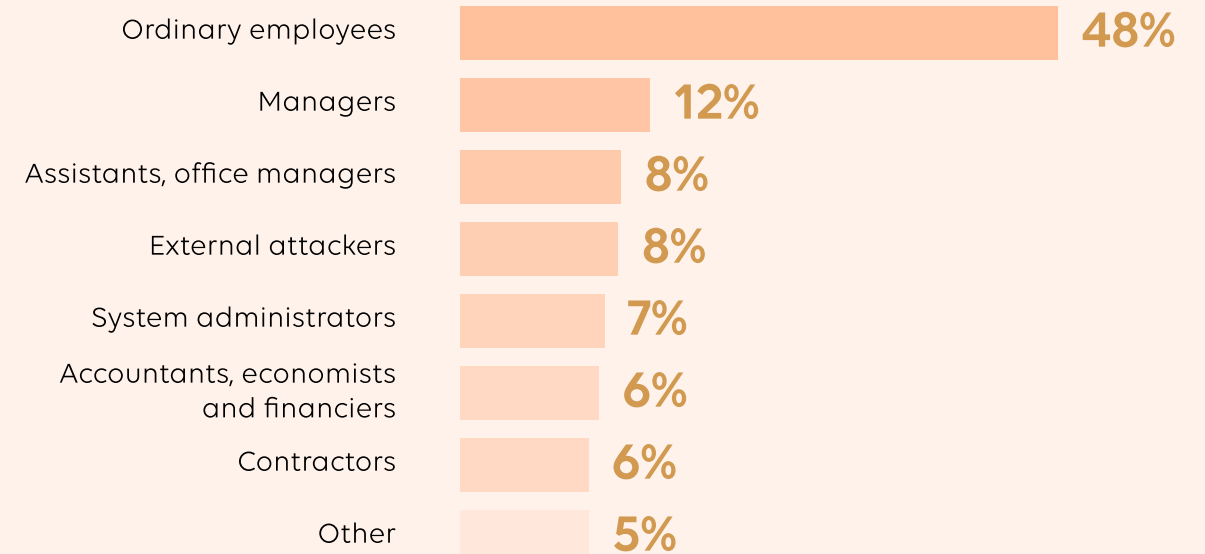
Working day statistics

What employees do in the workplace

2h
25%
personal

4h 24m
55%
labor

1h 36m
20%
rest

Statistics of incidents in a medium-sized company

Attempted data dumping — 34%
Job search — 21%
Management discussion — 15%
Part-time work — 7%
Antisocial behavior — 6%
Kickback schemes — 4%
Unproductive labor — 2%
Lobbying for other people's interests — 2%
Fraud — 1%
Theft — 1%

Information theft statistics

Ordinary employees — 48%
Managers — 12%
Assistants, office managers — 8%
External attackers — 8%
System administrators — 7%
Accountants, economists and financiers — 6%
Contractors — 6%
Other — 5%

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Analytics

Time tracking + HR analytics

The analytics reports enable a universal statistical assessment of employees, allowing:

distinguish the work of one employee from that of another "personnel evaluation"

find significant differences between divisions

identify among employees "leaders" and "outsiders"

to get an answer to the question of what is "a lot or a little", "good or bad", based on universal statistical estimates

Personnel assessment is the foundation of an effective business Based on the profile integrated into SCOPD, you can create a system for analyzing an employee's performance that will reveal their real capabilities and achieved results

Thanks to the new Analytics report group, a manager can:

✓ identify leaders and outsiders

✓ clearly distinguish between "bad" and "good" performance for a particular department or employee

✓ identify effective models for solving current problems

✓ identify areas of growth and development for the company's staff

The new reports address a range of topical issues:

✓ create an employee/position profile

✓ assessment of staff performance

✓ simplifying the reporting process

✓ effective replacement of vacant positions and formation of a talent pool

✓ delineation of areas of responsibility

✓ creating a system of balanced KPIs and financial incentives

The report group collects and categorizes information about individual employees, departments, and the company as a whole.

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Comprehensive DLP Features of SCOPD

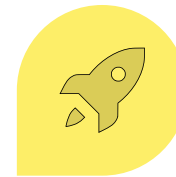**Improved Information Leakage Prevention:**
✓ Significantly enhanced capabilities to prevent critical information leakage

✓ **Behavior Analysis:**
Analyzes employee behavior based on nearly 30 parameters, generating integrated assessments to support objective HR decisions
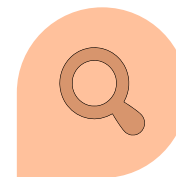
For effective DLP implementation, the new version of SCOPD offers:

Quick Start and Easy Configuration
Fast setup of leakage monitoring thanks to an extensive vocabulary of user behavior categorization

Advanced Search Engine
Allows searching for files on client machines, including "locked" and multi-level archives

DLP Event Triggers
Based on the frequency of certain words mentioned in documents

50% Fewer false alarms
reduction in false positives when comparing morphological words

Key Features

Enhanced Search Capabilities:

✓ **Multiple Search Settings:**
Customize type and size of files, key phrases

✓ **Unlimited Search:**
Scans "zipped" and multi-level attachments

✓ **Two Search Modes:**
Manual Search: Operator sets parameters and receives results

✓ **Automatic Search:**
System audits files based on configured intervals, providing results in a report

Image Watermarking:

✓ **Invisible Marking:**
Marks images copied from the screen, considering potential quality loss (JPEG) and resizing operations

Biometric Authentication and Physical Security:

✓ **Webcam-Based Face Recognition:**
Uses AI for offline employee identification

✓ **Keyboard Handwriting Analysis:**
Prevents information leakage by analyzing employee characteristics

✓ **Zero Trust Policy:**
Implements biometric authentication and re-authentication during sessions

Additional Security Measures:

✓ **Prevention Screen Photo:**
Monitors and stops attempts to photograph computer screens with a smartphone

✓ **Black Box:**
Records and stores data on the user's computer, ensuring quick recovery and detailed investigation during emergencies

✓ **Red Button:**
Allows emergency shutdown of all network computers via a text command through Telegram

Key Technological Features
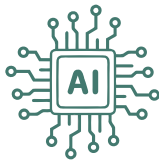
AI and Machine Learning Capabilities:
- Robust data analysis
- Effective threat recognition
- Smartphone and OCR recognition

Big Data Analytics:
- Mathematical statistics and optimized data storage
- Quick, one-time analytics for numerous users
- Chart creation for thousands of users

Support for 2 DB:
- MS SQL Server
- PostgreSQL

Storage Requirements:
- Supports on-site and/or cloud servers
- Requires 1-50 MB of memory per machine daily, depending on data volume

Extensive Data Collection:
- Analyzes nearly 70 information sources
- Collects and processes user behavior data

Client-Server Efficiency:
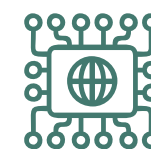- Low resource usage on client PCs

Advanced Reporting:
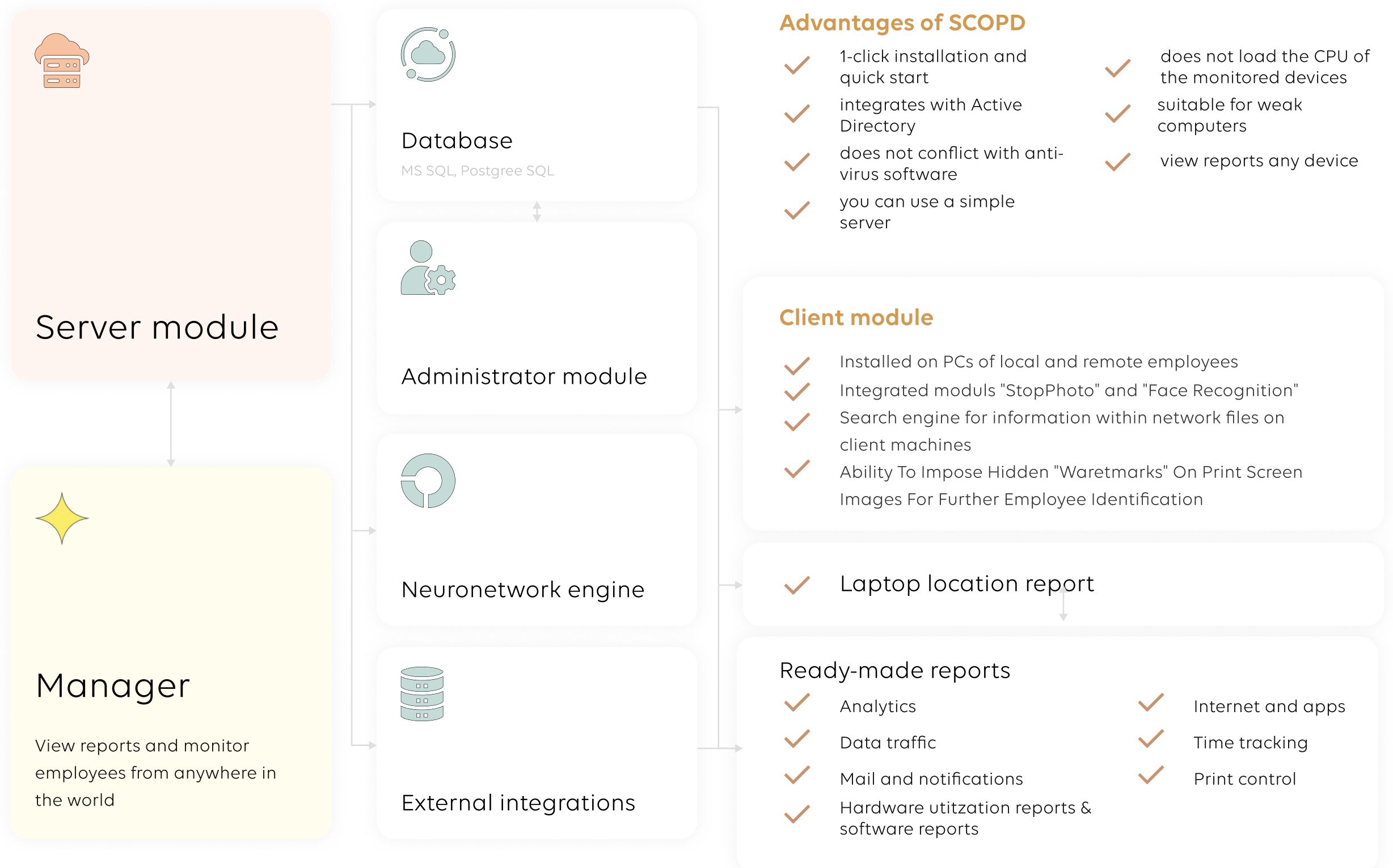- Detailed insights with over 80 types of reports

Server Performance:
- Ensures stability and load balancing in large projects

Open Architecture:
- User-friendly and cloud-ready

How the **SCOPD** complex works

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Server module

icon

Database
MS SQL, Postgree SQL

Administrator module

Neuronetwork engine

External integrations

Manager

View reports and monitor employees from anywhere in the world

Advantages of SCOPD

- ✓ 1-click installation and quick start
- ✓ integrates with Active Directory
- ✓ does not conflict with anti-virus software
- ✓ you can use a simple server
- ✓ does not load the CPU of the monitored devices
- ✓ suitable for weak computers
- ✓ view reports any device

Client module

- ✓ Installed on PCs of local and remote employees
- ✓ Integrated moduls "StopPhoto" and "Face Recognition"
- ✓ Search engine for information within network files on client machines
- ✓ Ability To Impose Hidden "Waretmarks" On Print Screen Images For Further Employee Identification

- ✓ Laptop location report

Ready-made reports

- ✓ Analytics
- ✓ Data traffic
- ✓ Mail and notifications
- ✓ Hardware utitzation reports & software reports
- ✓ Internet and apps
- ✓ Time tracking
- ✓ Print control

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User Benefits of the Solution:

- **Improved Security:** Reduce insider threat risks with enhanced security measures
- **Proactive Threat Detection:** Detect and prevent threats before they cause harm
- **Increased Productivity:** Boost employee productivity through effective monitoring
- **Reduced IT Costs:** Lower your IT security expenses with our solution

Benefits for Partners:

- **Advanced Technology:** Deliver the best solutions to your clients with cutting-edge technology
- **Full Support and Training:** Quick integration and fast return on investment with our comprehensive support
- **Favorable Terms:** Benefit from win-win conditions that ensure mutual success
- **White Label Options:** Brand the solution as your own with our white label options

SCOPD

The SCOPD product has passed all the necessary examinations and certifications and allows you to work with data in a fully legal manner

Created by a team of experienced managers and professionals in the development of security systems

over 100

reports and functions

3 000

implementations

500 000

installations

Our current clients span various business sectors, including banking, oil and gas, energy conglomerates, defense, insurance companies, CRM manufacturing, and other enterprises that prioritize intellectual property protection and internal process monitoring, regardless of the company's size or industry

Our partners can be any companies providing IT services (cybersecurity, antivirus solutions), equipment suppliers, telecommunications services, and other related services

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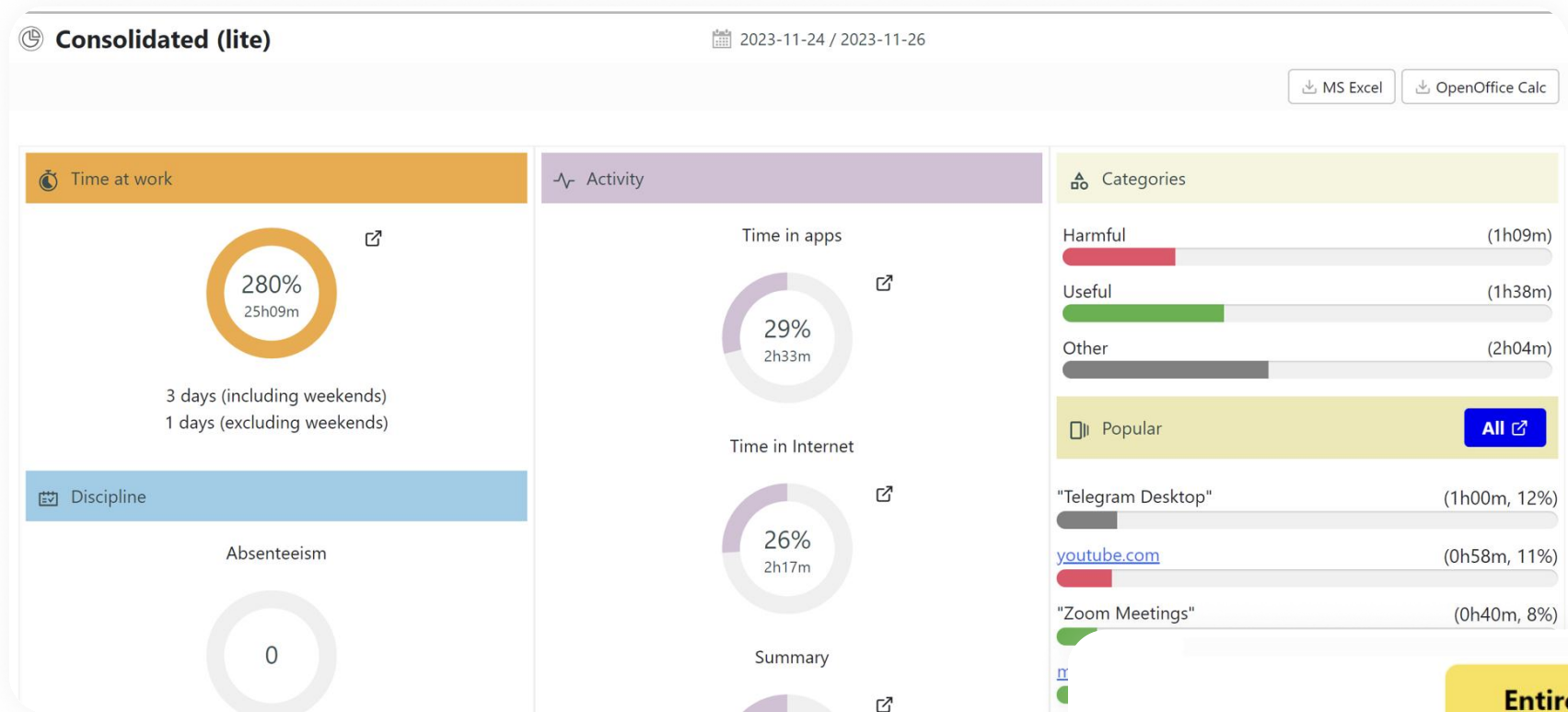
Behavior Overview Analysis

Daily Activity Visualization

Examples of Analytics reports

User time

⬇ MS Excel   ⬇ OpenOffice Calc

Active time: 🟥 | Inactive time: ⬜ | Appointments: 🟪 | PACS data: 🟦 | Pause in monitoring: 🟦 | No datas/offline: 🟨 | Column selection ▦ | Search in all columns ⌄ | Search 🔍

#	User	Day	Daily scale	Total time	Total time
1		2023-11-24 (FR)	0 3 6 9 12 15 18 21 24	10h26m	117%
2		2023-11-25 (SA)	0 3 6 9 12 15 18 21 24	11h55m	133%
3		2023-11-26 (SU)	0 3 6 9 12 15 18 21 24	2h48m	32%
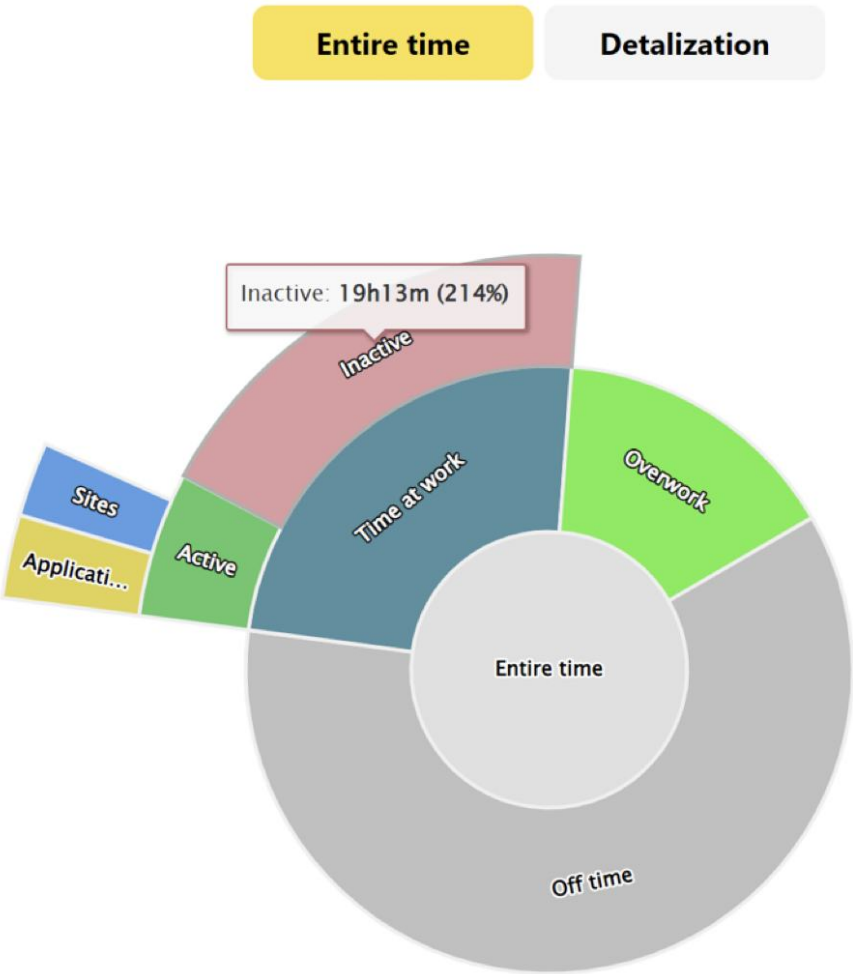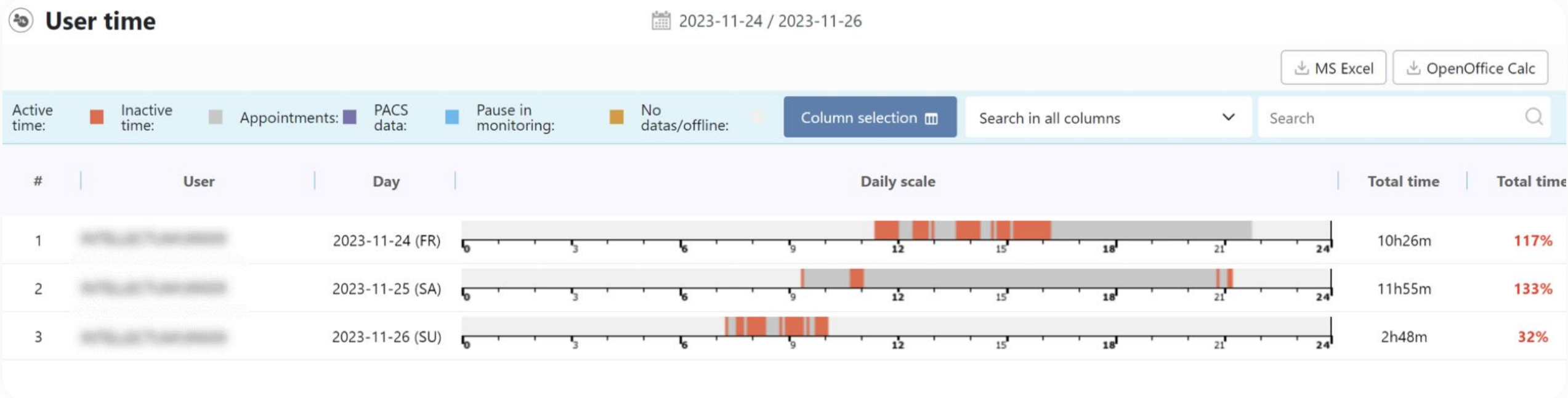
Timesheet

⬇ MS Excel   ⬇ OpenOffice Calc

PACS data | **Activity data** | Begin/end of work | **Working time** | Active time

	Nov 2023															x	Working time (days/hours)	Absences	Lateness + early departures
User	1 WE	2 TH	3 FR	4 SA	5 SU	6 MO	7 TU	8 WE	9 TH	10 FR	11 SA	12 SU	13 MO	14 TU	15 WE				
	16 TH	17 FR	18 SA	19 SU	20 MO	21 TU	22 WE	23 TH	24 FR	25 SA	26 SU	27 MO	28 TU	29 WE	30 TH				
	ABS	ABS	ABS	D/O	D/O	ABS	ABS	ABS	ABS	ABS	D/O	D/O	ABS	ABS	ABS		0 / 0h00m	17	1
	ABS	ABS	D/O	D/O	ABS	ABS	ABS	ABS	10h26m	11h55m	2h53m						3 / 25h14m		

Working time (days/hours): 3 / 25h14m

Examples of Analytics reports

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Potential harm

Working hours:

11h50m | 64% | 5h27m

Resources:

adme.com

0h21m | 29%

\Crysis2.exe

2h26m | 23%

Employee:

Emily Sawyer

DOMAIN\user.9

Division:

"DevCompany" LLC\Investment Department\Accounting

16 persons

10

⚠ 15

Warnings:

cyberwarfare	4
eavesdropping	4
attacker	3
backdoor	2
threatintelligence	2
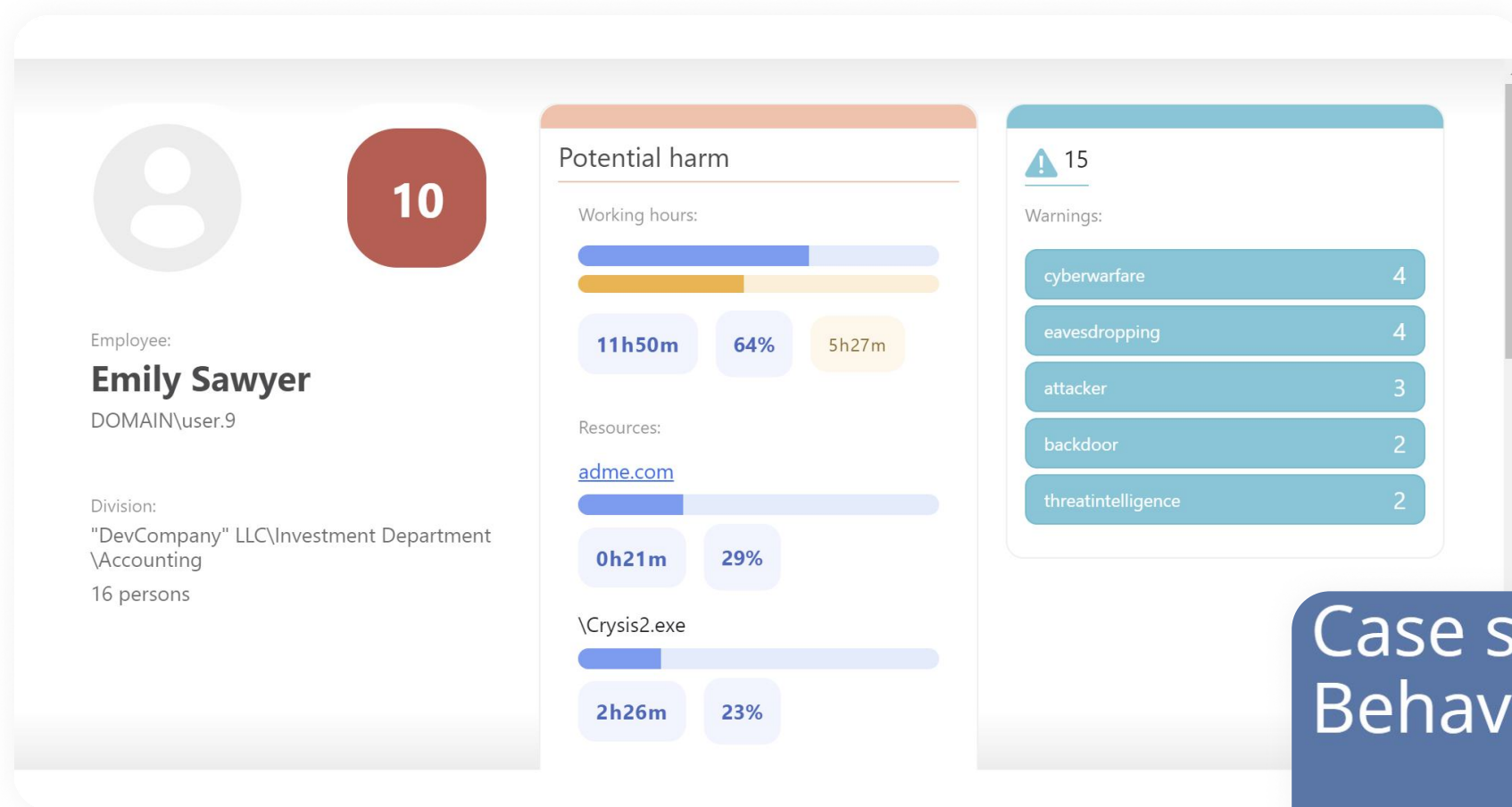
Case study: Individual Behaviour Report

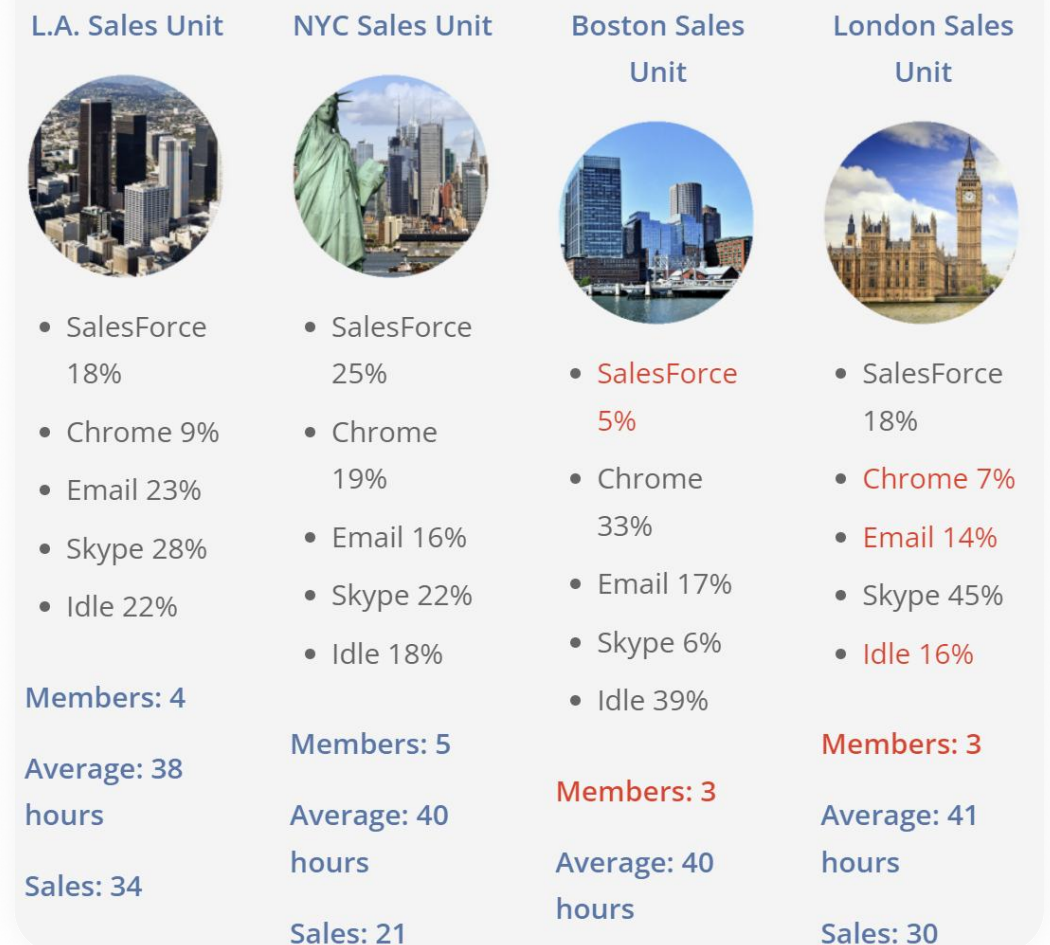| Activities	Time	Details
SalesForce	15%	951 contacts
Chrome	5%	157 visited websites
Email	25%	341 outbound / 93 inbound
Skype	33%	45 contacts / 71 calls / 921 messages
Idle	12%	_

Examples of Analytics reports

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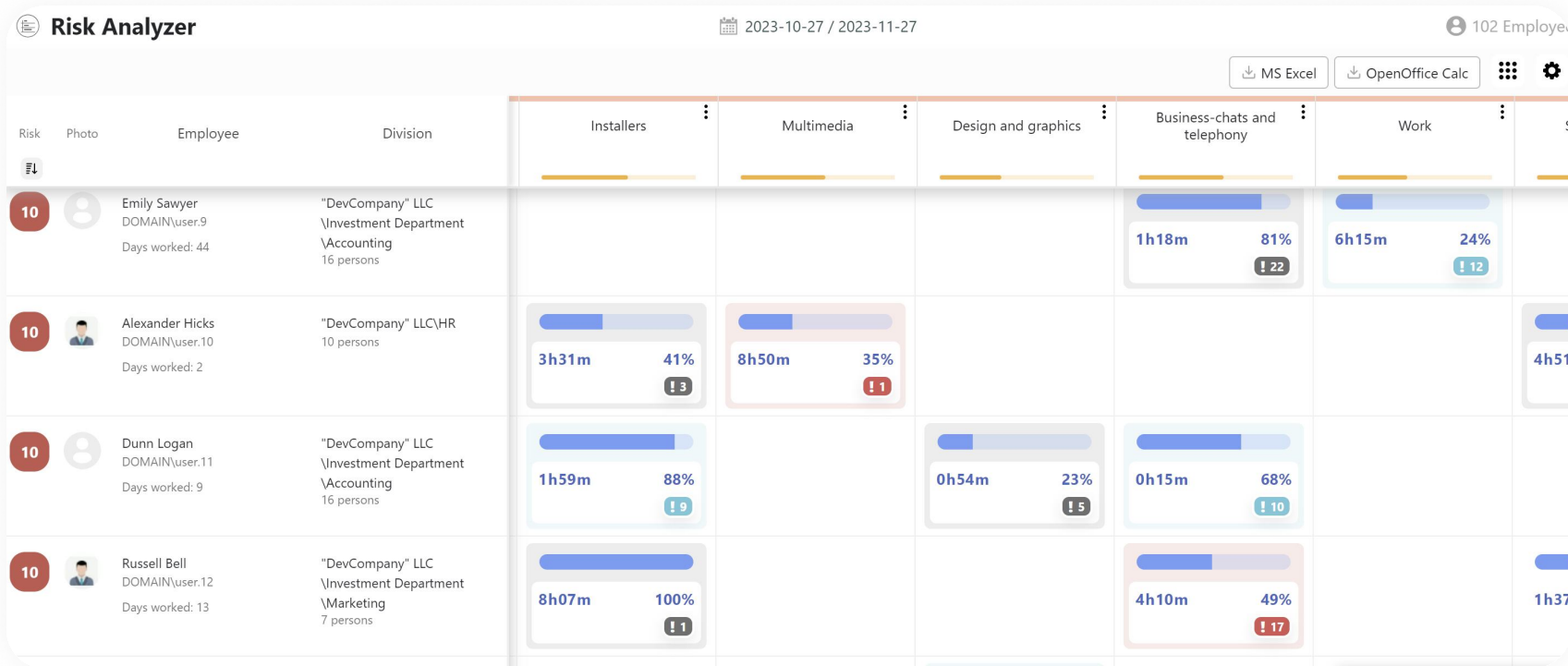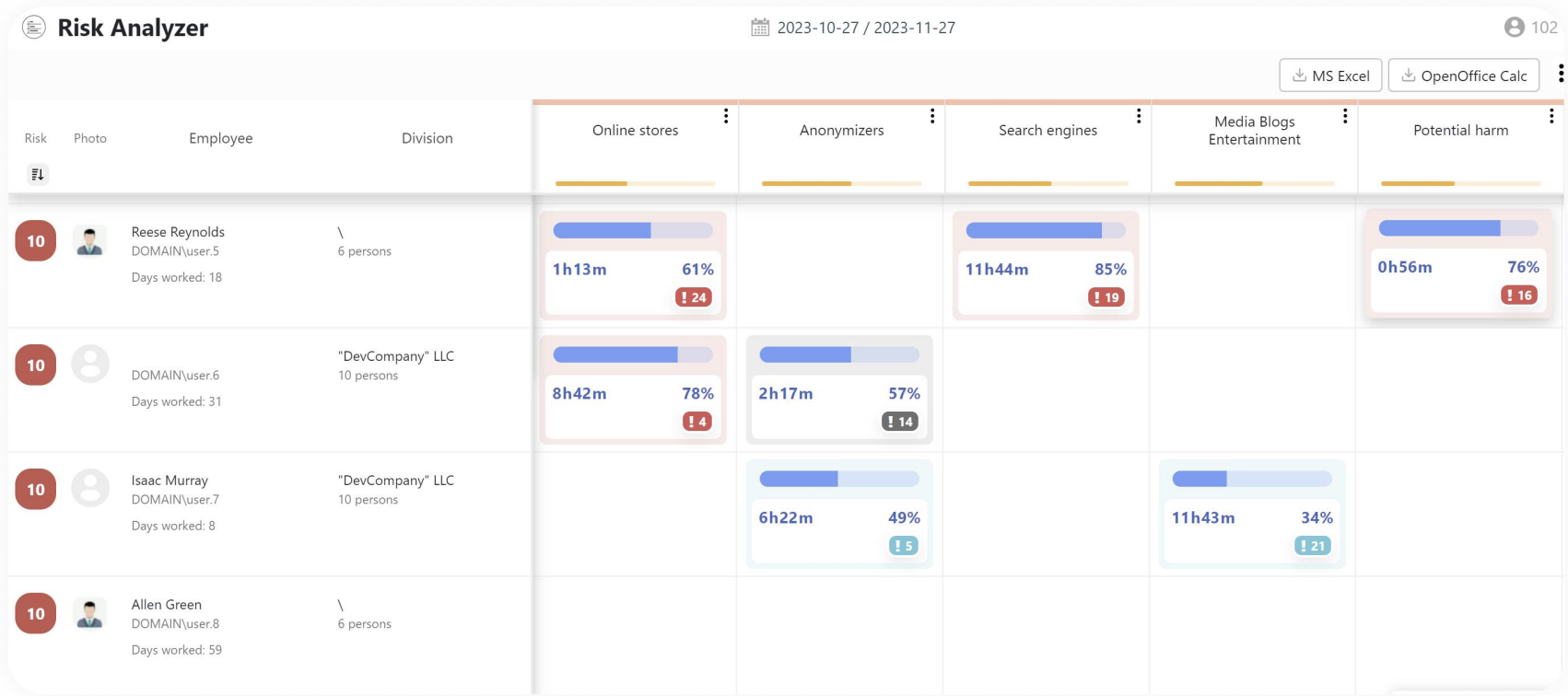Meet L.A. sales team. Look closer at the portrait of all team members' daily activities

Andy

- SalesForce 21%
- Chrome 19%
- Email 6%
- Skype 5%
- Idle 49%

Total: 35 hours

Sales: 5

Miya

- SalesForce 15%
- Chrome 5%
- Email 25%
- Skype 43%
- Idle 12%

Total: 41 hours

Sales: 12

Sophia

- SalesForce 19%
- Chrome 11%
- Email 21%
- Skype 28%
- Idle 21%

Total: 32 hours

Sales: 7

Rob

- SalesForce 17%
- Chrome 2%
- Email 41%
- Skype 34%
- Idle 6%

Total: 45 hours

Sales: 10
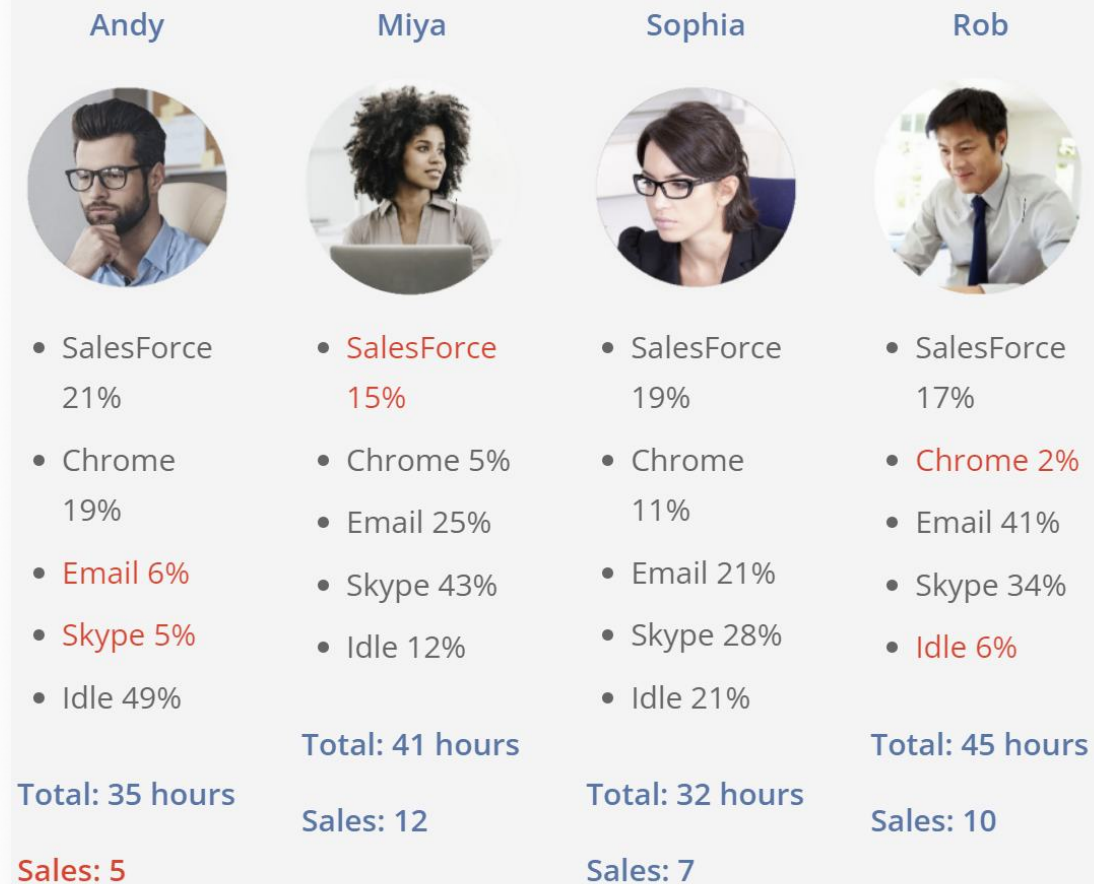
Behavioral Branch/Department Report

Compare units behaviour and find the best practices

L.A. Sales Unit

- SalesForce 18%
- Chrome 9%
- Email 23%
- Skype 28%
- Idle 22%

Members: 4

Average: 38 hours

Sales: 34

NYC Sales Unit

- SalesForce 25%
- Chrome 19%
- Email 16%
- Skype 22%
- Idle 18%

Members: 5

Average: 40 hours

Sales: 21

Boston Sales Unit

- SalesForce 5%
- Chrome 33%
- Email 17%
- Skype 6%
- Idle 39%

Members: 3

Average: 40 hours

London Sales Unit

- SalesForce 18%
- Chrome 7%
- Email 14%
- Skype 45%
- Idle 16%

Members: 3

Average: 41 hours

Sales: 30

Examples of Analytics reports

Risk Analysis Report

Examples of Analytics reports