# OrchidOs

Tap to Set Up

7:41

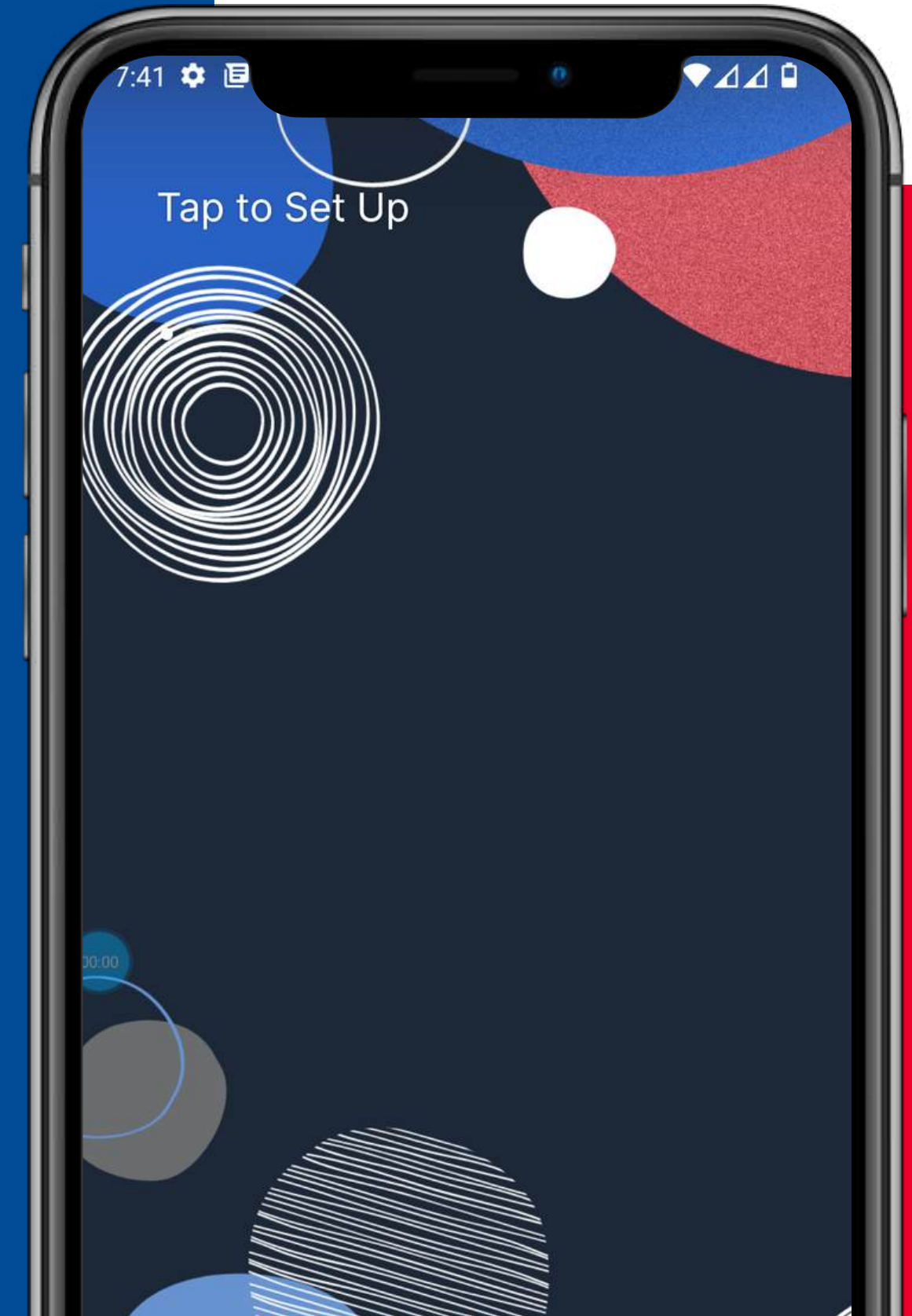# OrchidOS

## About OrchidOS

OrchidOS is a custom Android firmware. It was launched with an aim to provide a Unique user interface, added privacy, Optimum performance and innovatitive ideas to enhance user experience.

## What is a Custom Rom

A custom ROM is essentially a firmware based on the Android source code provided by Google. A lot of people prefer custom ROMs because of the functionality they offer, and the ability to customise many things on the device.

## Why is OrchidOS different

Every program, every software, and every app can be exploited and hacked iOrchidOS incorporates extra security features that will continuously be updated and modified to enhance the system integrity to combat this.

## Our Mission

Our mission is to offer the maximum possible stability and security, along with essential and useful features for all users.

# Core features

→

### OrchidOS Core
Secure and locked embedded de–googled system.
Spyware and tracking and adware continuously removed.

### Enterprise
OrchidOS works with many Android MDMs
( Intune, Headwind and Samsung knox)

### System Speed
Faster overall system speed,
Example : from cold boot system is 5 seconds faster than stock android

### Backward Compatibility
Can be used on android phones made as far back as 2018,  can also be used on tablets.

### Refurbished
Can work on refurbished phones, which can help with reducing phone waste

### Clean Ui
Full Ui overhall to show subtle OrchidOS branding

# A little more...

→

**01**

## Mobile

Direct Access to SAPsoftware, while mobile increasing productivity

**02**

## Co-ordination

Immediate communication between M.Ts, lineside and process in different areas, reducing waste .
(primary and packaging)

**03**

## Technical

Secure and efficient. with the options of call logs and application logs thus more reliable than radio communication.

# WHY OrchidOS
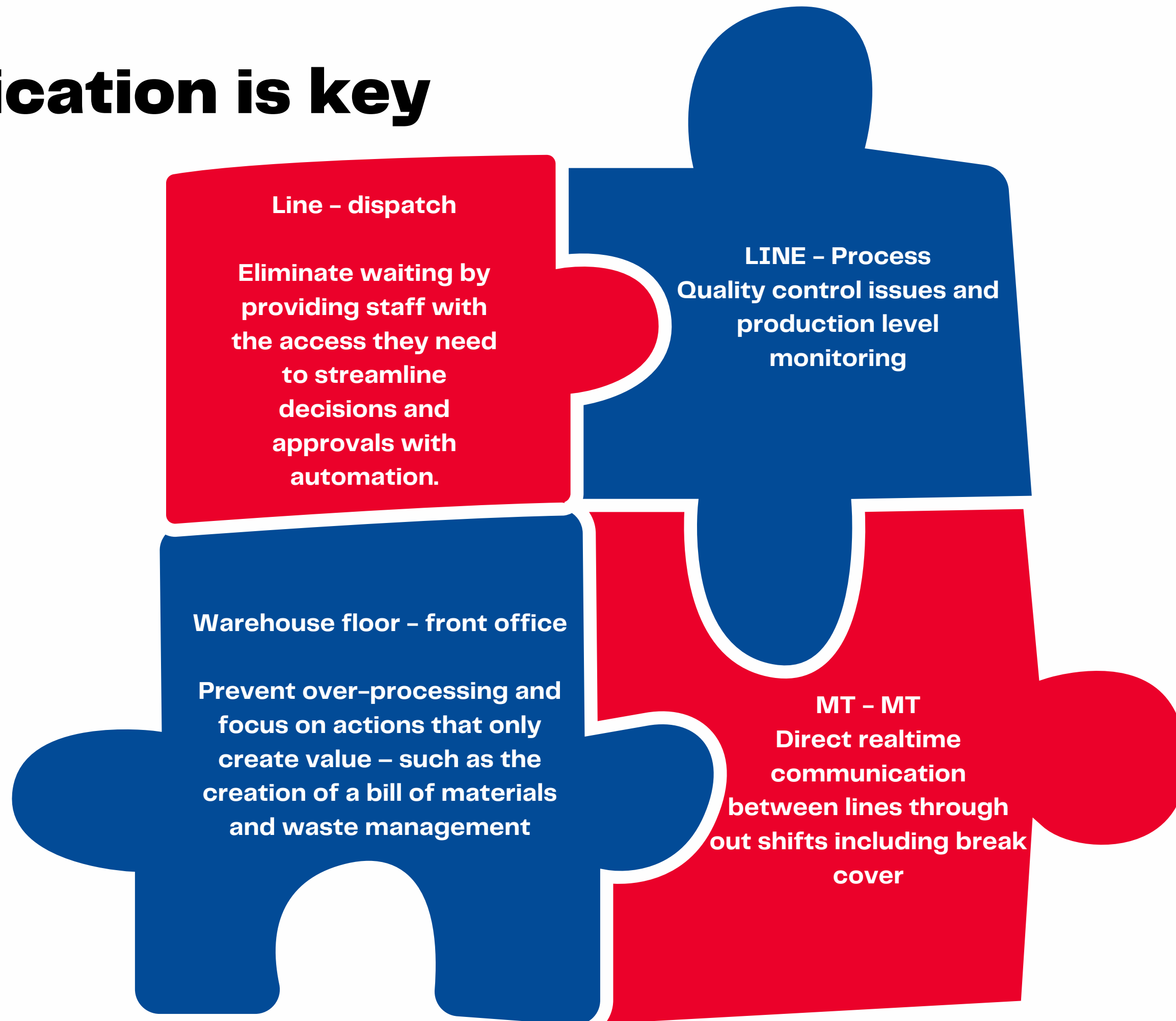
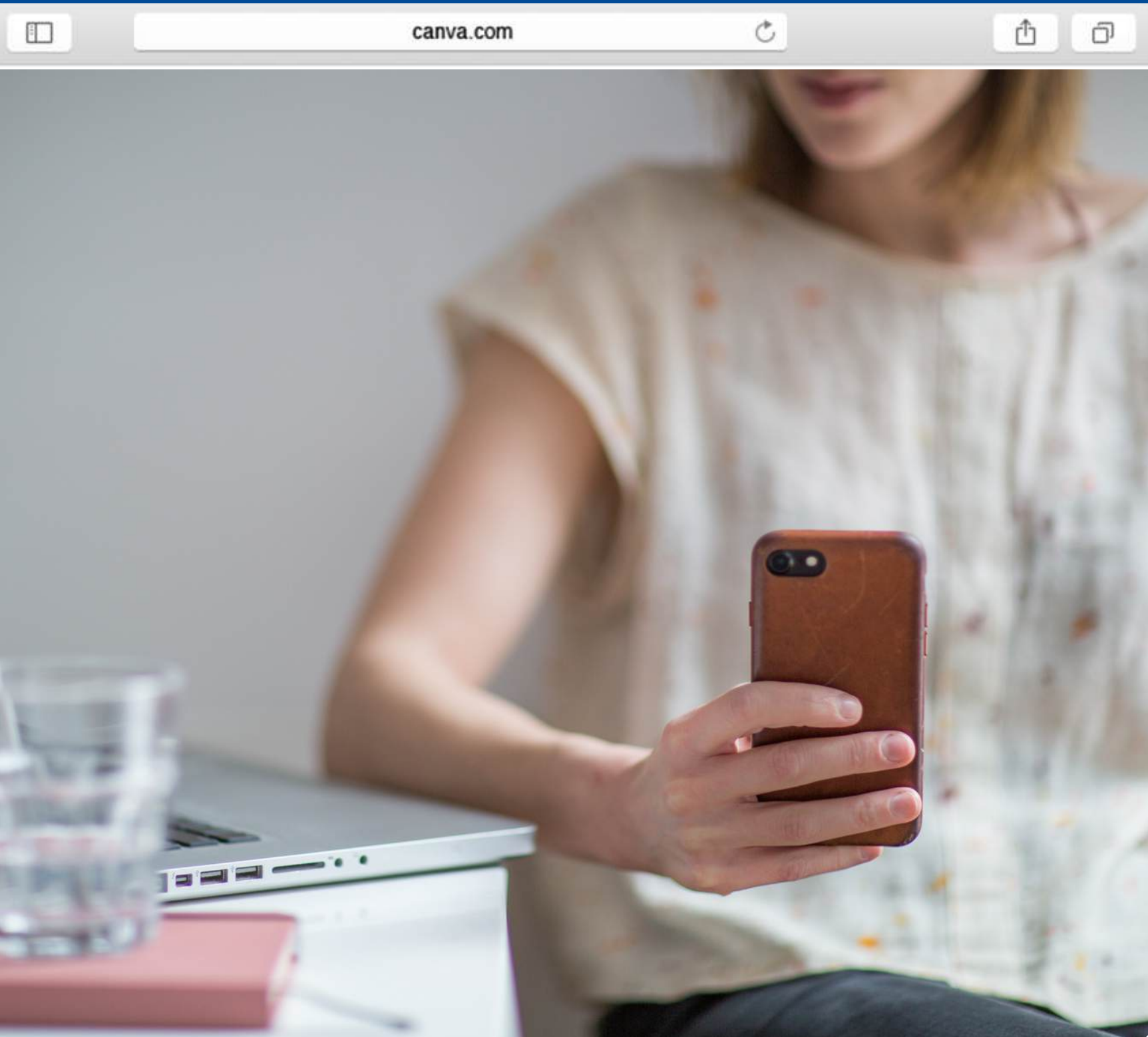Improvement of communication between active lines

Digitizing working environment

Improved accident reporting and recording and health and safety adherence

# Communication is key



**Line – dispatch**

**Eliminate waiting by providing staff with the access they need to streamline decisions and approvals with automation.**

**LINE – Process**
**Quality control issues and production level monitoring**

**Warehouse floor – front office**

**Prevent over-processing and focus on actions that only create value – such as the creation of a bill of materials and waste management**

**MT – MT**
**Direct realtime communication between lines through out shifts including break cover**

# 5.3 billion

This year, 5.3 billion mobile phones will be thrown away the international waste electrical and electronic equipment (WEEE) forum says. Its estimate, based on global trade data, highlights the growing environmental problem of "e-waste".*

OrchidOS is built to run on older devices perfect for refurbished phones to extend their lifecycle.

*BBC NEWS   HTTP://WWW.BBC.CO.UK/NEWS/SCIENCE-ENVIRONMENT-63245150S

# A pocket full of posies

It's weird to think about, but the fact is we're all walking around with a pocket full of precious materials.
from lithium to aluminum from lead to cobalt your device has it all ..

More than 60% of the world's supply of cobalt is mined in the "copper belt" of the south-eastern provinces of DRC cobalt is a major material used in the production of mobile phones

While the African country contains an estimated $24 trillion in untapped mineral resources, it remains mired in poverty and violence, and mining these metals can help fund armed conflict in the region.



Ultimately, it's just really hard to stop bad actors in the supply chain groups such as the International Peace Information Service are actively tracing conflict materials . But experts say the answer is not boycotting minerals from the DRC or simmilar country's but instead refurbish, reuse or extend the life cycle of devices that use said materials reducing the demand for mines and smelters.

–cnbc– https://www.google.com/amp/s/www.cnbc.com/amp/2023/02/15/how-conflict-minerals-make-it-into-our-phones.html?bshm=ncc/2
– the guardian –
https://www.google.com/amp/s/amp.theguardian.com/global-development/2018/oct/12/phone-misery-children-congo-cobalt-mines-drc?bshm=ncc/2

# The commitments



most major multinational companies have signed up and committed to the United Nations Sustainable Goals Amongst Goals of Zero poverty and Quality education there are goals for reduction of waste and using renewable / recyclable technology and resources.
for example :
Target
12.5
By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

12.6
Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle

# On the inside

Using refurbished phones and other devices this will help cut global technology waste dumpage levels and reduce costs signifgantly as the company moves in a  agile technological innovative direction

# A mobile future

**70% of 3300 asked-manufacturers view mobile devices as the key to converting downtime in production, saving a daily average of 42 minutes per employee.**

*https://insights.bridgr.co

**70%**
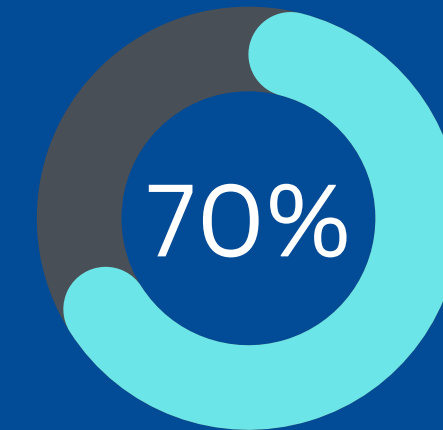
**OVER 70s**

According to PwC's 18th annual survey where 1322 CEOs were questioned, the top three technological priorities of manufacturing executives are mobility (73%), cybersecurity (72%), and data collection and analysis (70%). Access to a large amount of real-time information via mobile devices leads to improved production processes.

## Reduced Defects and Better Compliance

A digitized workplace can help Improve product quality by identifying and correcting quality issues early in the production process. Speeding up notification times to the right individuals. This results in fewer defects , more accurate product holds and a reduction in customer complaints, improving customer satisfaction.

# Radio v Mobile

## the pros and cons

### Pros

They're easy to use. Talking is as simple as pushing a button. They are light-weight and durable

two-way radios provide exceptional communications functionality. They can be used when cell service towers or landlines fail

lack of distractions

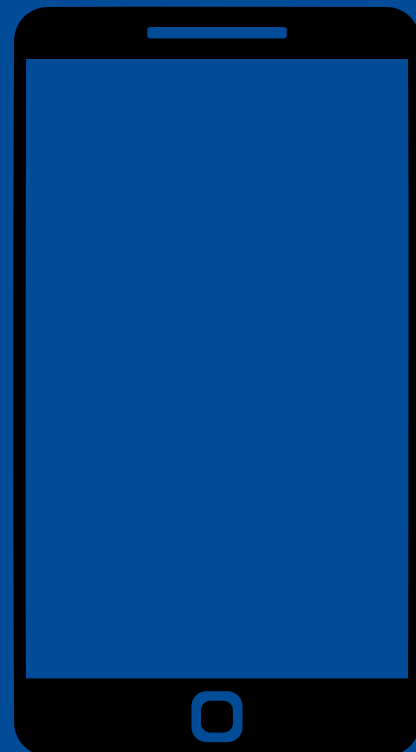Two-way radios are designed to cancel out outside noise

### Cons

Limited privacy options
Cumbersome

Congestion of channels by multiple users

Increasing range can increase the chance of interference and eaves dropping

### Pros

Includes primary built-in applications including calculators, voice dictation, calendars, photo albums, cameras, GPS navigation

fairly long battery life, lasting at least a day on a full charge.

Multiple usages Ease of use for majority of work force

Various forms of communication channels via video, message or voice and ways to log information

### Cons

"dead zones" of poor coverage

Distractions through application usage

Cost of upgrade from radio

end user misuse and data breach potention
(without correct security policies)

# I-Robot

In the mobile device world there are two main options for the end user Apple with Iphone and its assortment of closed devices versus the world of open sourced android.
below are few points on each system:

**Iphone** :

Pros
Dedicated apple team focused on one system to release updates.
Apple releases updates directly to users, so there's no need to wait for third-party manufacturers to integrate them into hardware.
One unified distribution keeps the system more secure.
Uniform security standards across a limited range of devices.

Cons
Fewer external security professionals can examine Apple's code to flag potential vulnerabilities.
once security vulnerabilities are exposed all iPhone users are vulnerable apple updates are known to be slowly released.
Limited range of devices available, often at high price points for enterprise Users.

**Android** :

Pros
A larger variety of manufacturers, designs, and prices to choose from.
Strong innovation due to the open-source development community.
Auto-updates are smooth and clearly communicated.
secure with the latest android system patch released periodically
Regular push notifications happen until you download critical updates.

Cons
Security protocols aren't uniform across the hardware models that use the Android OS.
Two-step update process where Android issues an update, and then a hardware manufacturer (e.g., Samsung) needs to integrate the update before releasing it to customers. this leads to vulnerabilities to be exploited  until updates are available.
Being open source means More access and a bigger target for hackers.

*please note no matter how secure a device can claim to be security and privacy breaches can be down to user error.

In March **2023**, 41.9 million records were compromised by cyberattacks across the world, according to IT Governance, a global provider of cyber risk and privacy management solutions.*

Recently The telecoms giant AT&T has notified approximately **9 million** customers that their personal data has been exposed in a **data breach**. AT&T reported that the breached records include people's names, wireless account numbers, phone numbers and email addresses.

PepsiOS is built with the aim to reduce the level of google code within the operating system thus controlling data **exposure** to google and other third parties. while still working with popular **MDM** systems.

PepsiOS devices can run sim-less through on site wifi that adheres to Pepsi Data and privacy protocols .

We provide inbuilt messaging and data transfer options that only require wifi or bluetooth ** keeping things secure.

# OrchidOS Being safe

Security policies can be implemented by authorized personnel on both personal and corporate devices. This is very helpful in handling issues regarding compromised devices since users will be able to track them more easily and perform remote wipe or lock actions on stolen or lost gadgets.

OrchidOS devices can use biometrics a technique of identifying a person by means of recognition of the face or eye or fingerprint One advantage of using biometric security is that users can avoid having to remember a password or other secret combination to authenticate and prevent malicious users access. these features can also be disabled on request

Using OrchidOS , organizations of any scale are able to establish app-level and detailed device security policies. Various security risks stemming from employees bringing their own devices can be prevented as well.
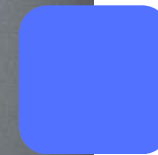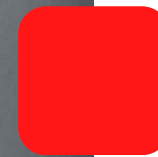
# PepsiOS Core
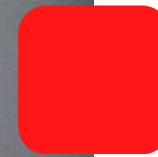
**Recordyou**

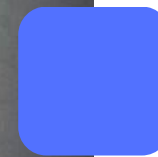A simple open source audio note-taking Android application with screen record options

**Forkgram**

Forkgram is open source version of Telegram for secure messaging

**TapTap**

Tap, Tap provides over 50 actions that can be run from double or triple taps on the back of your device
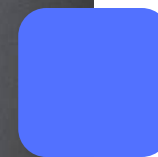
**K9mail**

K-9 Mail is an open source email client for Android with many advanced features for enhanced privacy

**Productivity**

cross-platform productivity service compatible with Outlook, Thunderbird, Apple Reminders, and more.

**Duck Duck Go browser**

Open source browser with tracker blocking software

# Briar

## Connect through data, wifi or bluetooth...

Within warehouse and factory settings we can run into dead zones or have network downtimes/blackouts, to ensure important information is constantly relayed between indiviuals PepsioOS can be configured with extended messaging features (provided through services such as Brair) where secure chat/information groups can be created and communication can be transferred over a number of different channels.

**The fine detail**

Briar is an open-source software communication technology, intended to provide secure and resilient peer-to-peer communications with no centralized servers and minimal reliance on external infrastructure. Messages can be transmitted through Bluetooth, Wi-Fi,or removable storage, such as secure USB sticks. All communication is end-to-end encrypted. Relevant content is stored in encrypted form on participating devices. The initial target audience for Briar includes "political activists, and journalists " As the extra ability to function in the absence of internet infrastructure make the application extremely valuable.

# Keep moving On



On–The–Go–Mode uses transparency and camera data to keep you aware of where you are walking.
 This mode aims to keep you as safe as possible should you attempt to walk and text.
It uses transparency and your camera to keep you aware of your surroundings.

In addition, On–The–Go–Mode enables the camera feed and underlays it on screen. it will then seem as if your phone screen is almost invisible that helps when your walking in a park at night anf you dont have to move your phone in couple of steps.
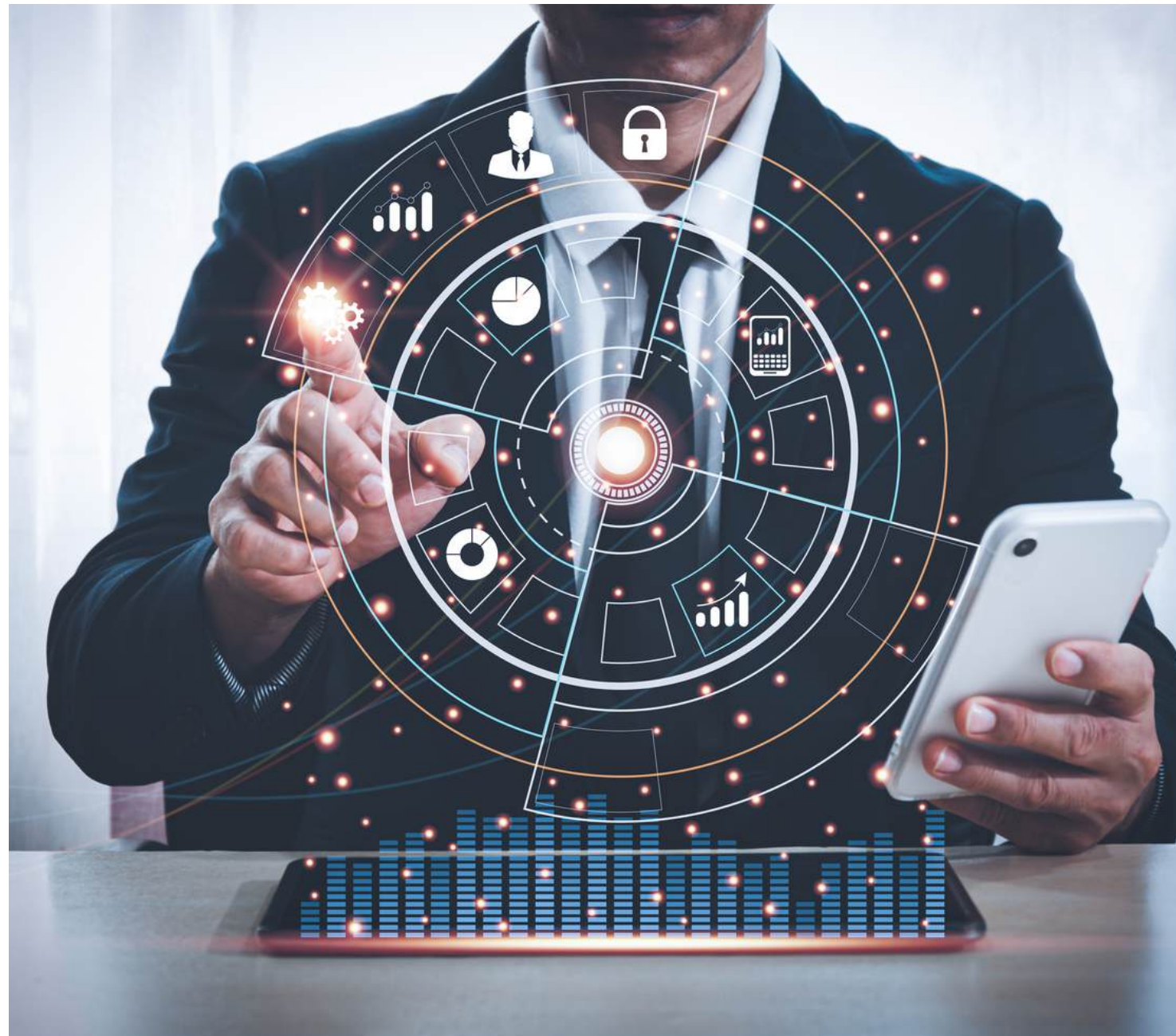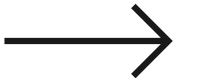
# DEGOOGLED

For the record, Google has some great products, and they certainly <u>changed the business world</u> by making access to information easier, the problem is  they <u>collect at least 40 data points</u> from our devices which can cause security  and privacy policy conflicts within private organisations  including information on :

- Documents you store in the cloud
- App usage
- Search history
- Interactions with ads
- Your emails
- Videos you watch
- Where you've been (your GPS location data)
- Information about other devices near you

Self-Check

←  Self-Check

Signature spoofing sup

System has signatu

System grants signa

System spoofs signa

Installed packages

Play Services (GmsC

Play Services (GmsC
signature:

Play Store (Phonesk

Play Store (Phonesk

Services Framework

Permissions granted

6:49  4G ▲ ▯

microG Settings

≡✓  Self-Check
Check if the system is correctly set up to use
microG.

Google Services

+●  Account
Add Google account

→]  Google device registration
On

☁  Cloud Messaging
On - 8 registered Apps

🎖  Google SafetyNet
On

# Introducing MicroG

## You have the freedom

In the world of mobile device software
the core operating system is still released as part of
the Android Open Source Project, the majority of
core apps are not.
With every android update More and more libraries
and APIs are only available on phones that run
various Google services pre-installed, effectively
locking third-party apps to the Google ecosystem
enabling Google trackers, privacy intrusions and
more to have their way .
Microg is a sanitized version of core Google
services . Enabling communication with google
servers in a safer user controlled way through
proxys and sandboxing applications and service
requests.
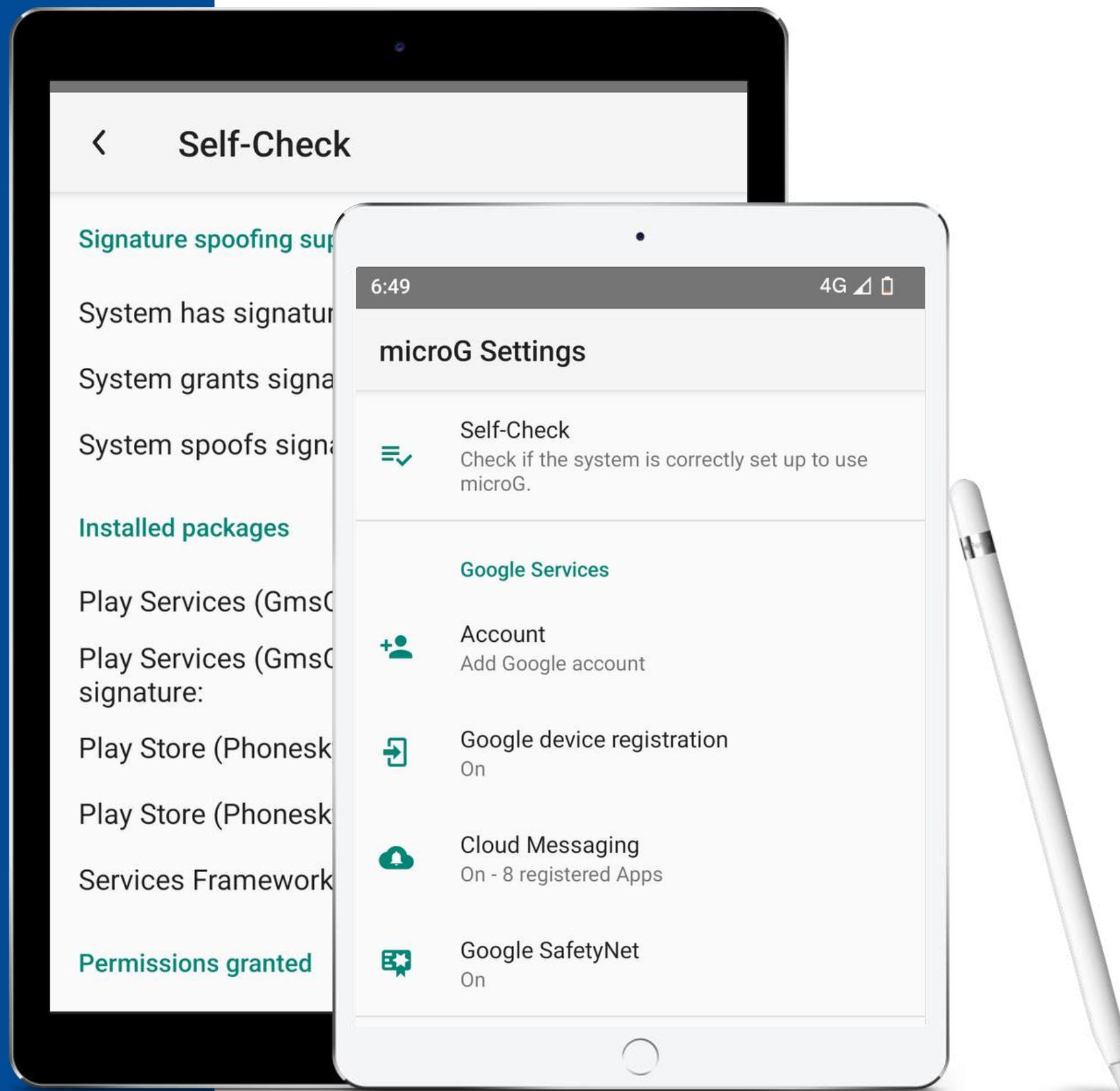
# Your Store

Aurora Store is an alternate to Google's Play Store, with an elegant design, using Aurora you can download apps, update existing apps, search for apps, get details about in-app trackers, spoof your location and much more.
Put simple ....Google play without the Google.
With PepsiOS we can preinstall or disable app stores.
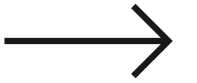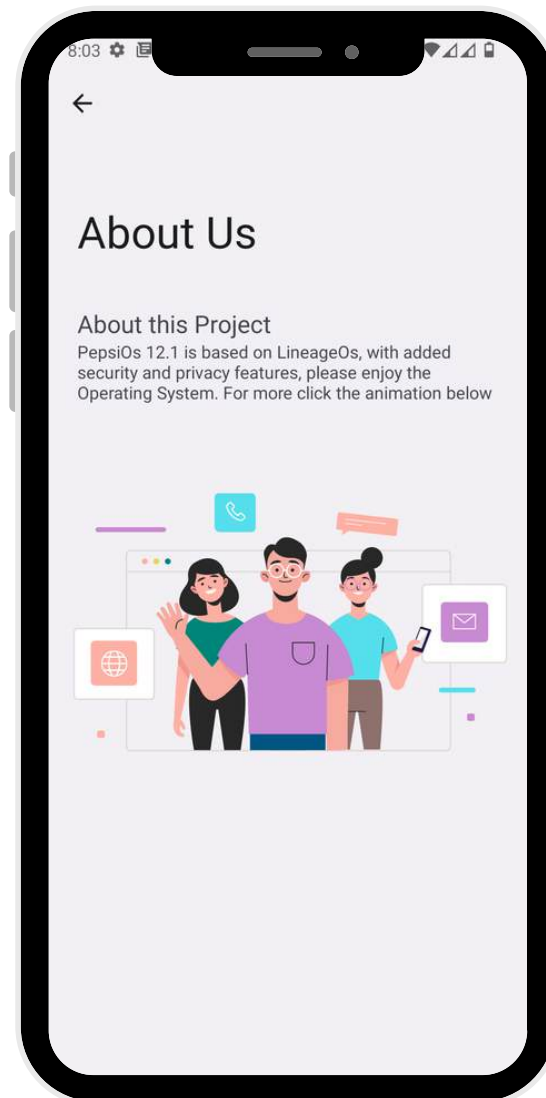
# keep it open source

What is open source?
Open–source software is software that makes the source code freely available, for anyone to see and use. Companies, individuals, universities and a lot of other entities build entire projects and use an open–source license, then they give the code away to anyone who wants to use it. The license used determines how others who use this code share their modifications.
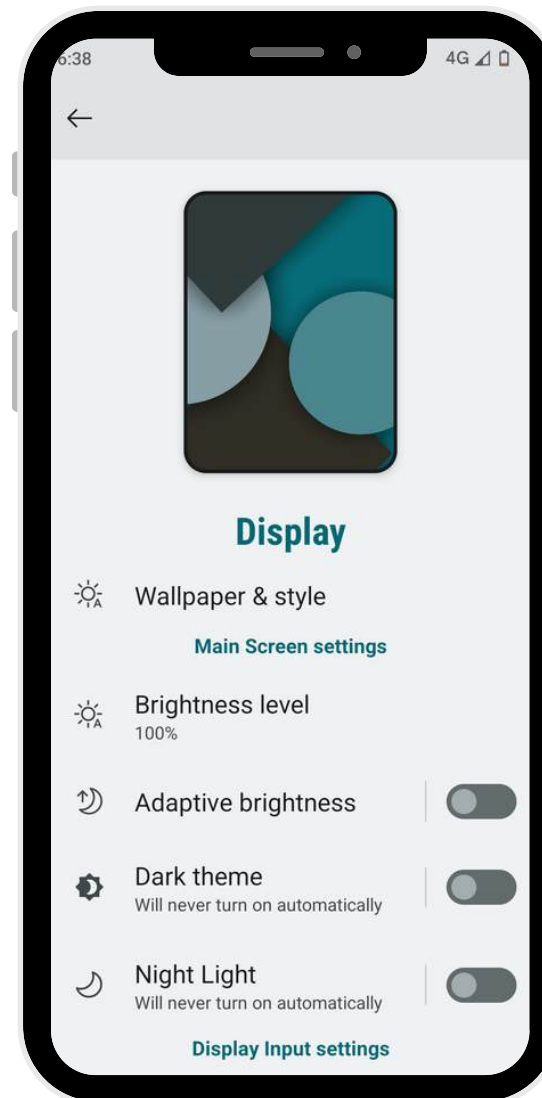
# The way we look ....

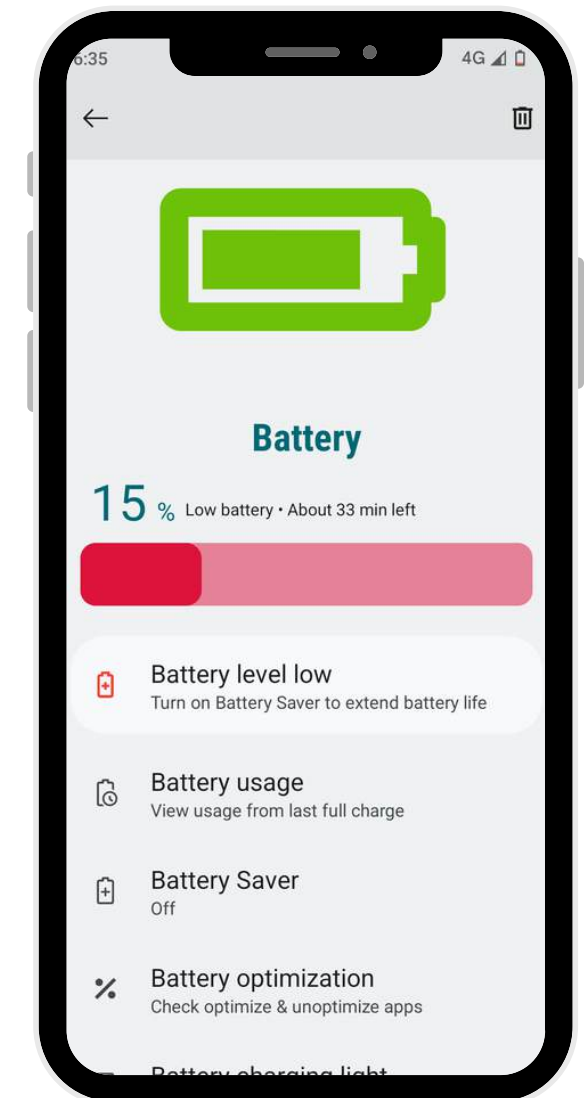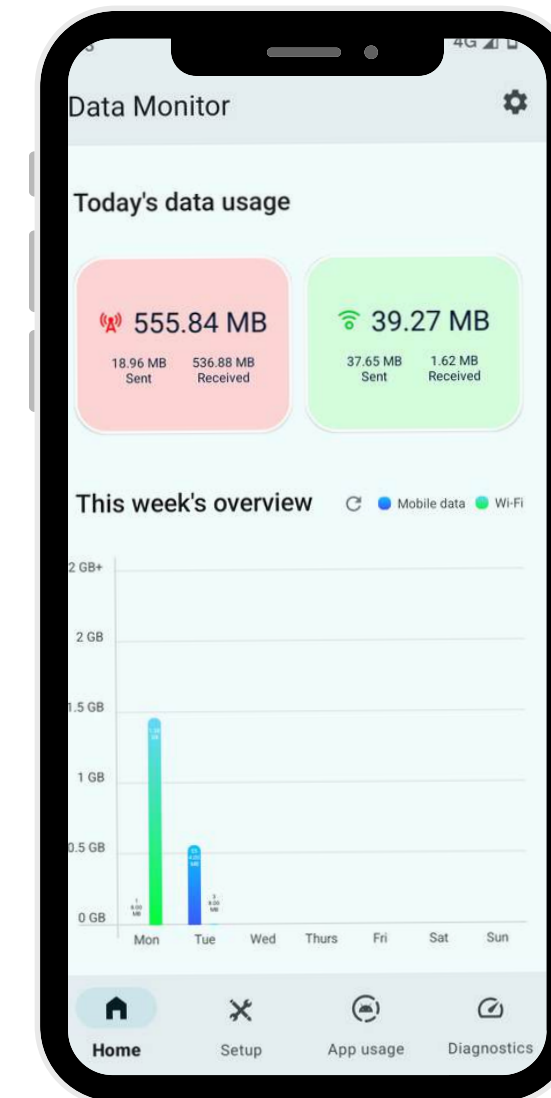**Simple home**



Tap to Set Up

**Further info page**



8:03

## About Us

### About this Project

PepsiOs 12.1 is based on LineageOs, with added security and privacy features, please enjoy the Operating System. For more click the animation below

**Revamped display UI**



6:38                                                    4G

## Display

☀️ Wallpaper & style

**Main Screen settings**

☀️ Brightness level
100%

🕐 Adaptive brightness

🌗 Dark theme
Will never turn on automatically

🌙 Night Light
Will never turn on automatically

**Display Input settings**

**The Latest materialU3 features**



Data Monitor                                           ⚙️

**Today's data usage**

555.84 MB
18.96 MB Sent    536.88 MB Received

39.27 MB
37.65 MB Sent    1.62 MB Received

**This week's overview**    🔄 ● Mobile data ● Wi-Fi

2 GB+

2 GB

1.5 GB

1 GB

0.5 GB

0 GB
Mon  Tue  Wed  Thurs  Fri  Sat  Sun

🏠 Home    🔧 Setup    App usage    Diagnostics



6:35                                                    4G

## Battery

**15** %  Low battery • About 33 min left

🔋 Battery level low
Turn on Battery Saver to extend battery life

🔋 Battery usage
View usage from last full charge

🔋 Battery Saver
Off

📊 Battery optimization
Check optimize & unoptimize apps

Battery charging light
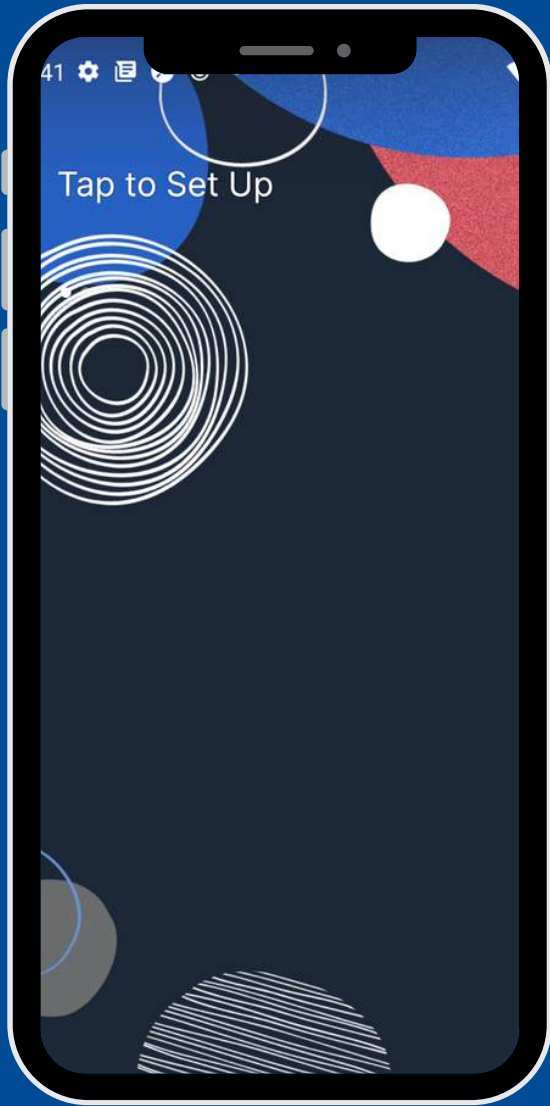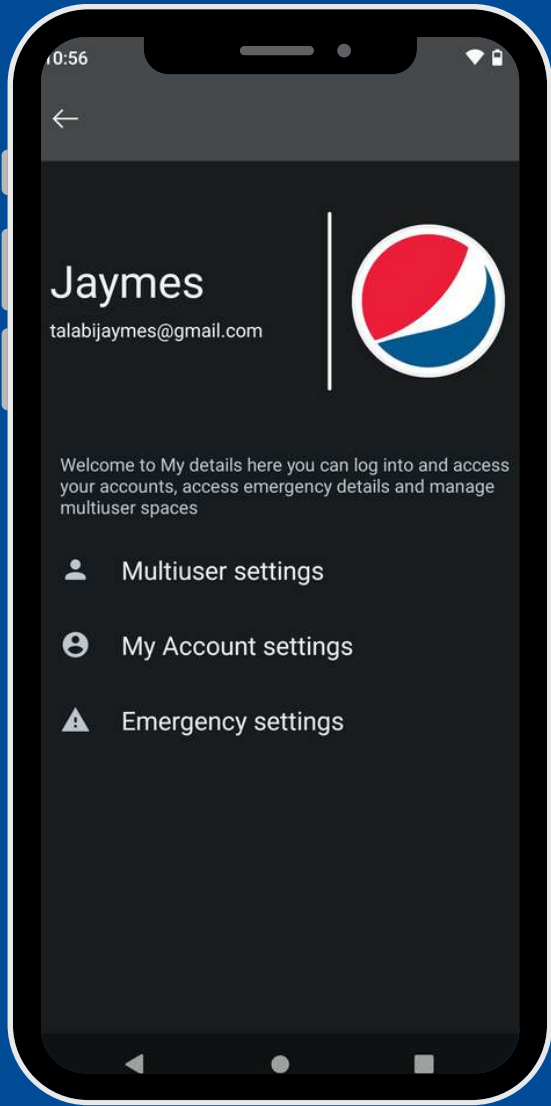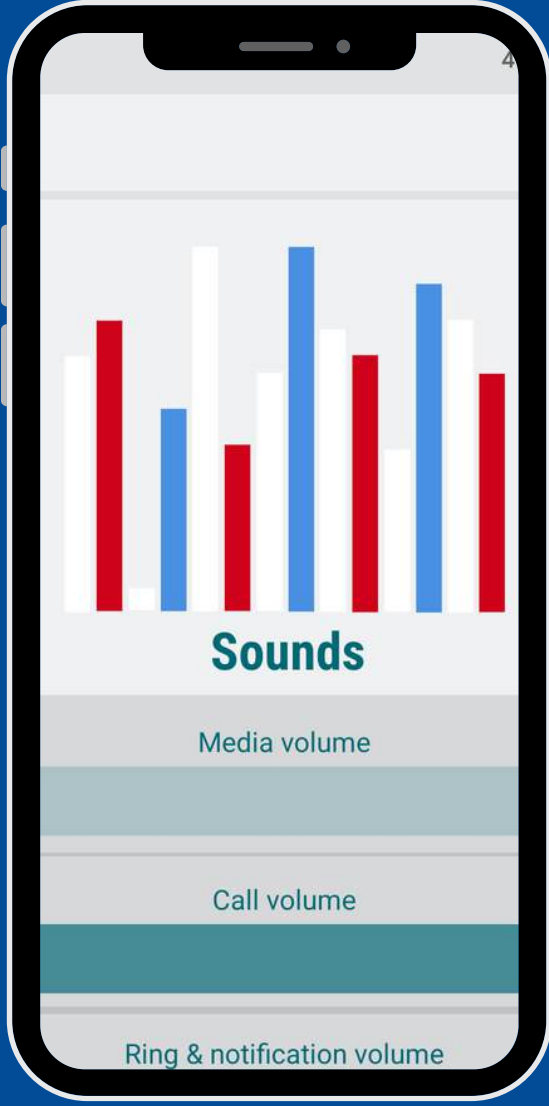
# Pepsi branding

**Pepsi QS styles**
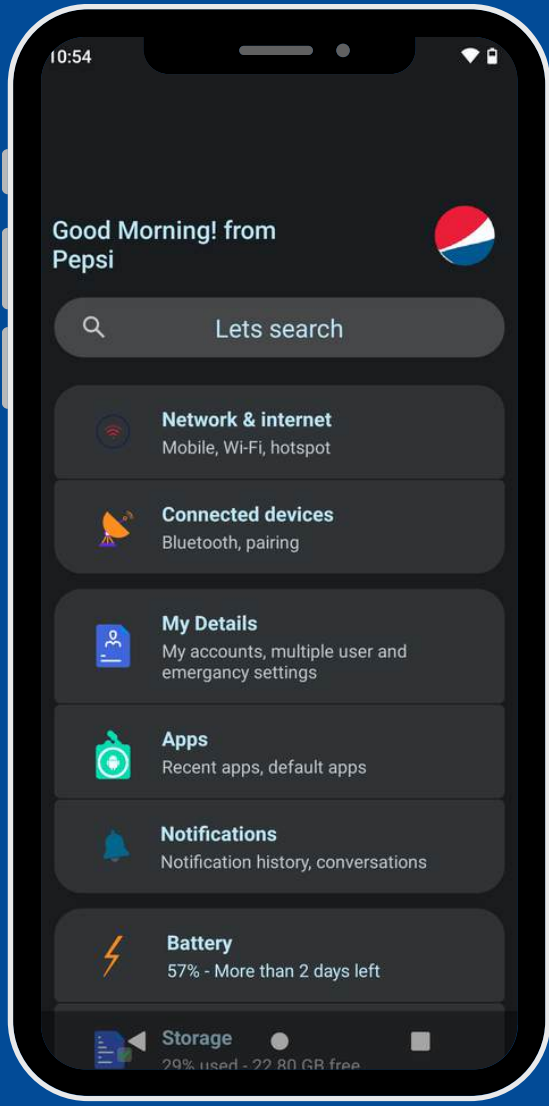
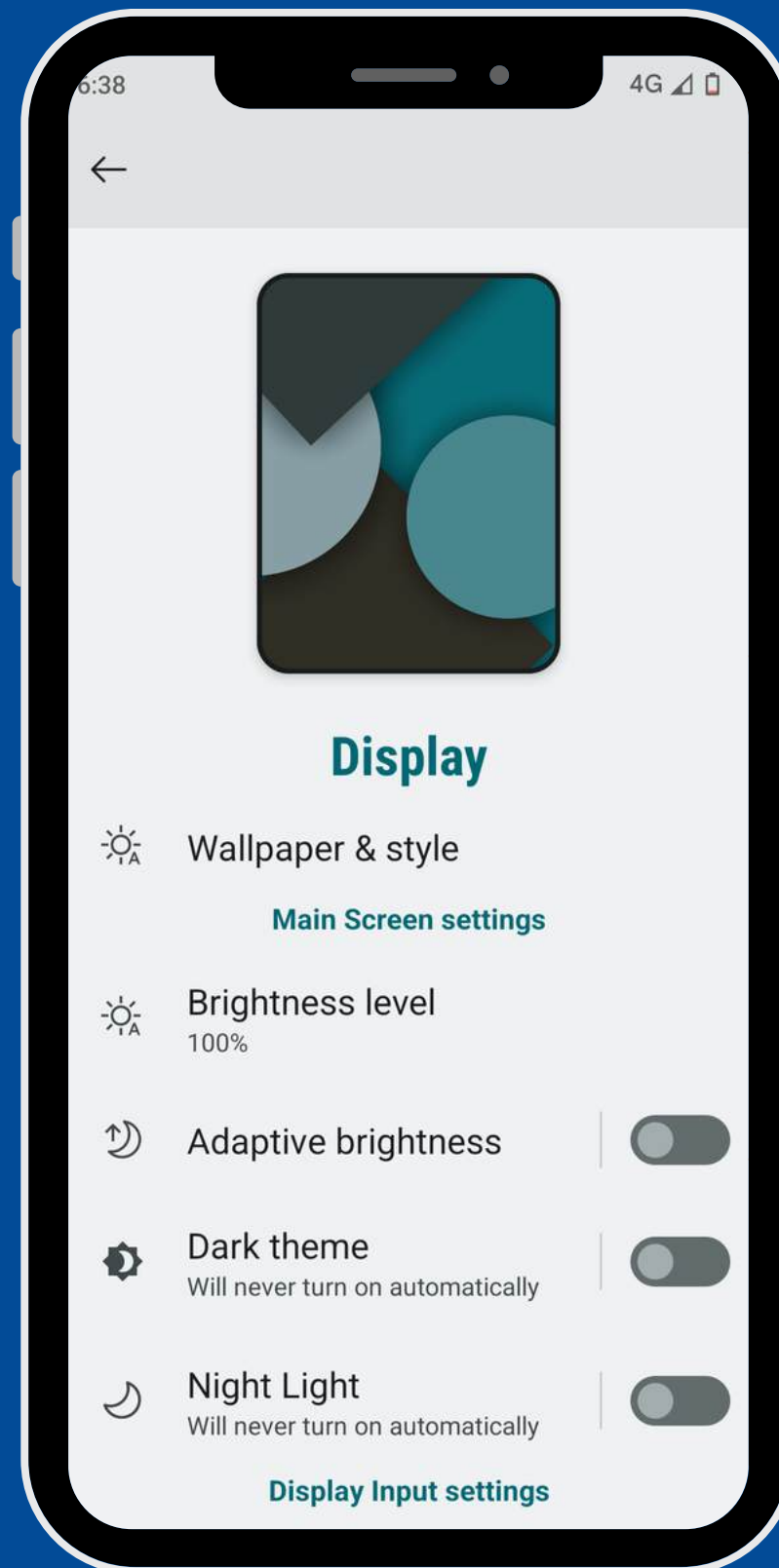**Pepsi dashboard  messages**

**Default Wallpaper**

**Branded user account**

**Pepsi themed animation**

# Business



**Security options**

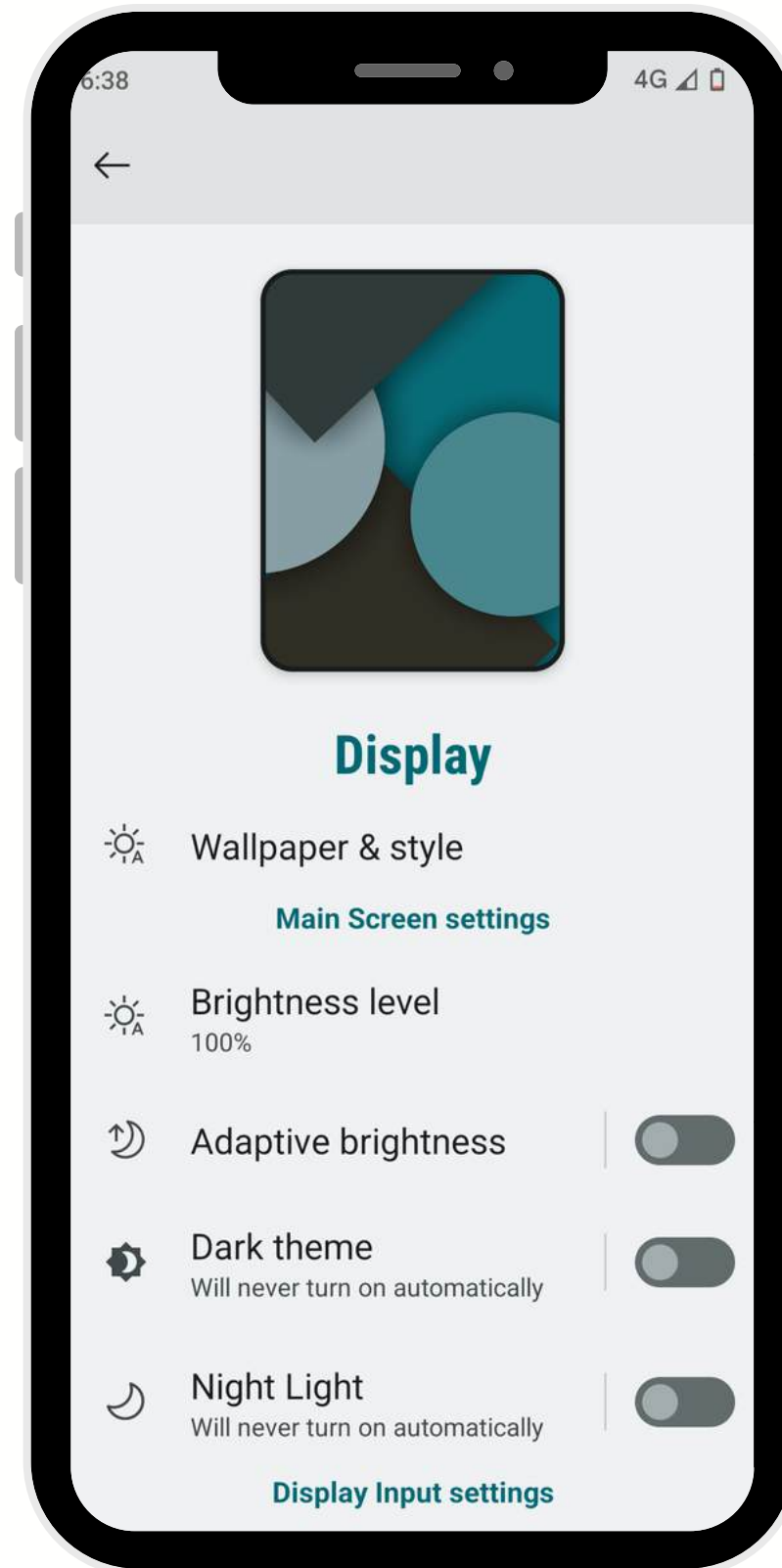security policy compliant and MDM support

**Privacy options**

built in security protocols

**App customisation**

core system app personalisations and restrictions

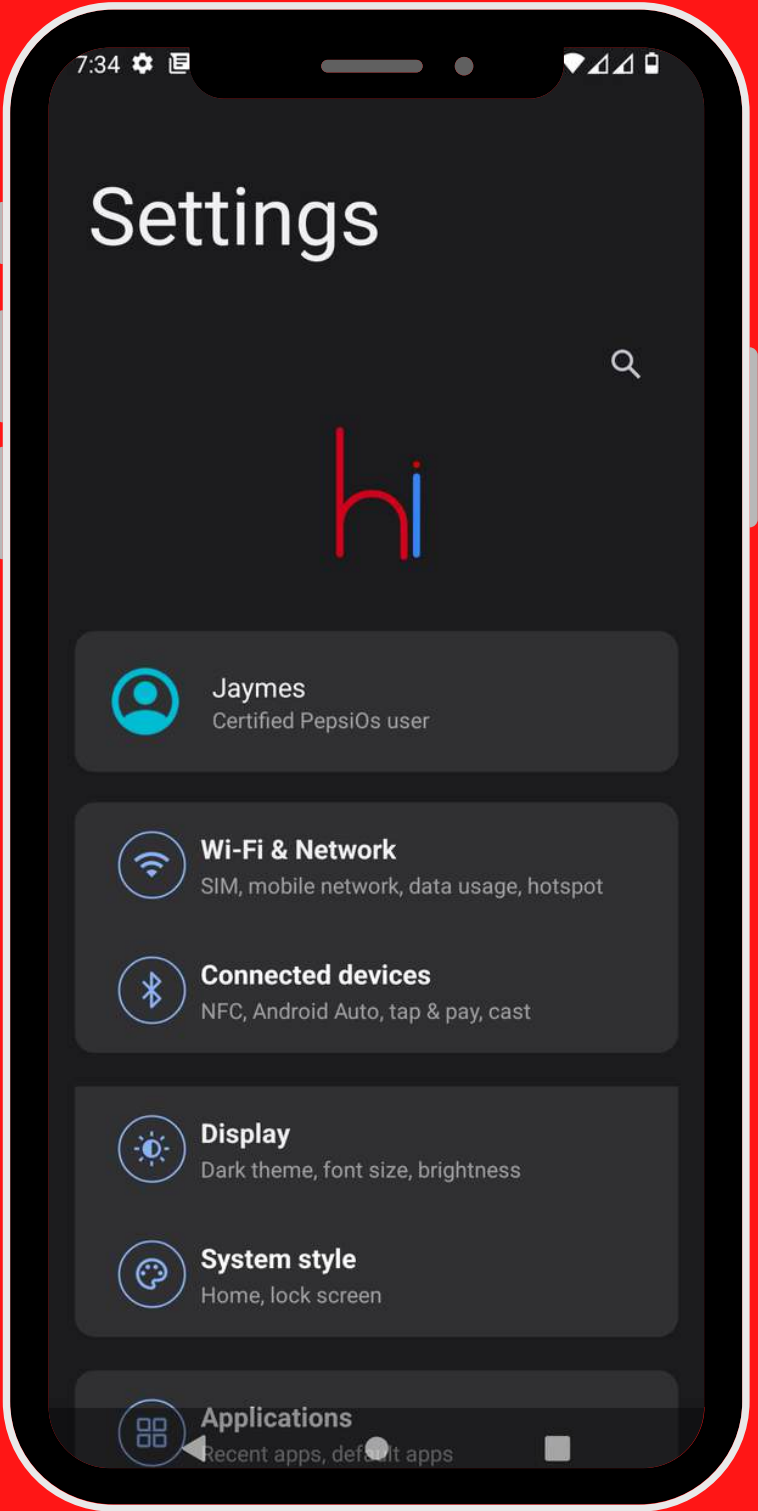# Business



**● Android**

Messaging and Chat applications

Personalization options

latest stable version

**● Evironmentally concious**

refurbished devices

recent handsets

low power modes battery charging

# The cost
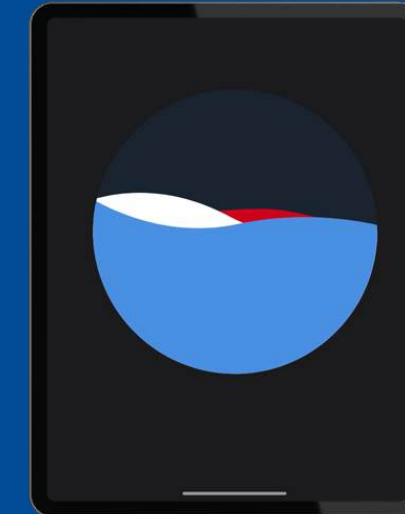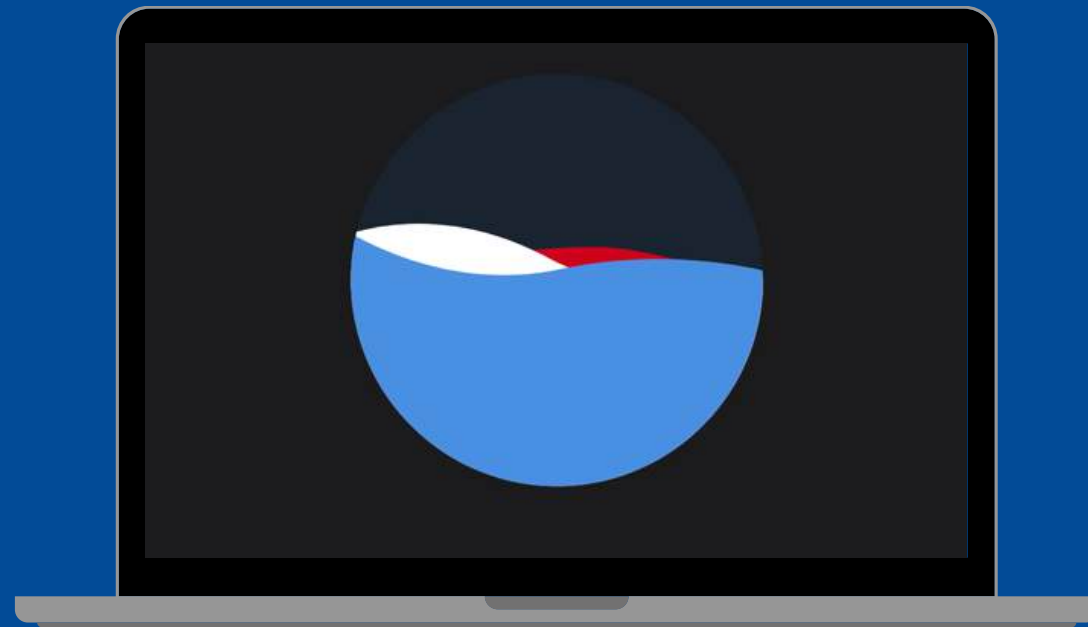**(per device)**

**Samsung S9 plus**
**(sample device)**

**Market price**
₤259

**OrchidOS Refurbished**
₤290

# The future

Pepsi OS in future editions wil be targetting the transfer over to tablet, pc and laptops with the aim of building a complete ecosystem.
Being backward compatible and stable with the latest security patches

# OrchidOS