EVA ICS

**UNIVERSAL
AUTOMATION
PLATFORM**

**USAGE FOR
MONITORING AND MANAGEMENT OF**

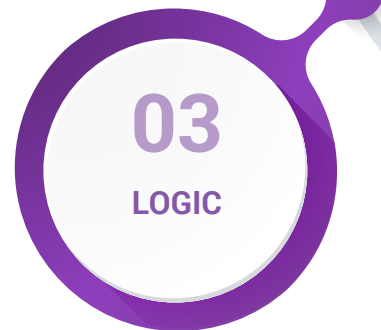# HUMAN BODY PARAMETERS

www.eva-ics.com

01 CONTROLLERS

UNIVERSAL CONTROLLERS

allowing any manageable device connection, including human body sensors

02 NOTIFICATIONS

NOTIFICATION SYSTEM

allowing to get data on events in any part of the system

04 SFA FRAMEWORK

SFA FRAMEWORK

for quick user and operator interface creation

PROGRAMMABLE LOGICS CONTROLLERS AND AUTOMATIC DECISION-MAKING RULES

based both on general data and individual body parameters

03 LOGIC

WHAT IS IT

EVA ICS

05 SCALABILITY

FULL SCALABILITY

all controllers and interfaces can be installed on different servers and connected via **internal network** or **Internet**
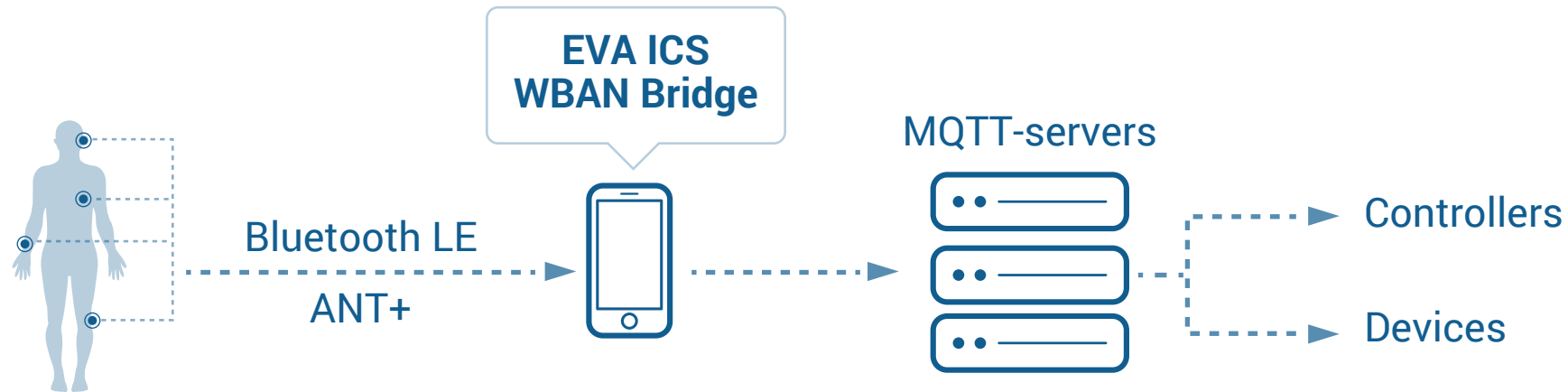
EVA ICS & WBAN

WBAN devices (*wireless body area network*) collect monitored body information and send it to **smartphone** or **PDA** via **Bluetooth LE** or **ANT+**.

The **smartphone** should have **EVA ICS WBAN Bridge** installed, which sends data to device controllers (Universal Controllers) **EVA ICS** in real time.

Controllers automatically share data with each other and your applications via **MQTT-servers**.

Management macros and automatic decision-making system located on logic controllers automatically analyze all available data and can both notify **WBAN** wearer and automatically use any controlled device.

Collected data are additionally analyzed: stress level, mental state.

Due to **SFA Framework** all data in your browser interface are immediately accessible – just connect your interface design and its ready for use.

FITNESS-TRACKERS & EVA ICS WBAN

(time loss)

FITNESS TRACKERS	EVA ICS WBAN
Closed system, dependence on equipment and manufacturer infrastructure	Completely independent system and an open source code
Prolonged integration for your needs	Quick integration for a certain project
Initially designed for individual, not group monitoring	Initially designed for group monitoring
No custom decision-making and monitoring logic systems	Total freedom of decision-making and monitoring logic
Integration in your own interfaces takes much time	Possibility of connection with control center both via secure Internet channels and personal network
Requires Internet connection	

THE ECONOMY OF TIME AND RESOURCES IN DOZENS OF TIMES

operations which require extra time and resources

working months, years

working hours, days, months

MONITORING AND CONTROL

EVA ICS WBAN
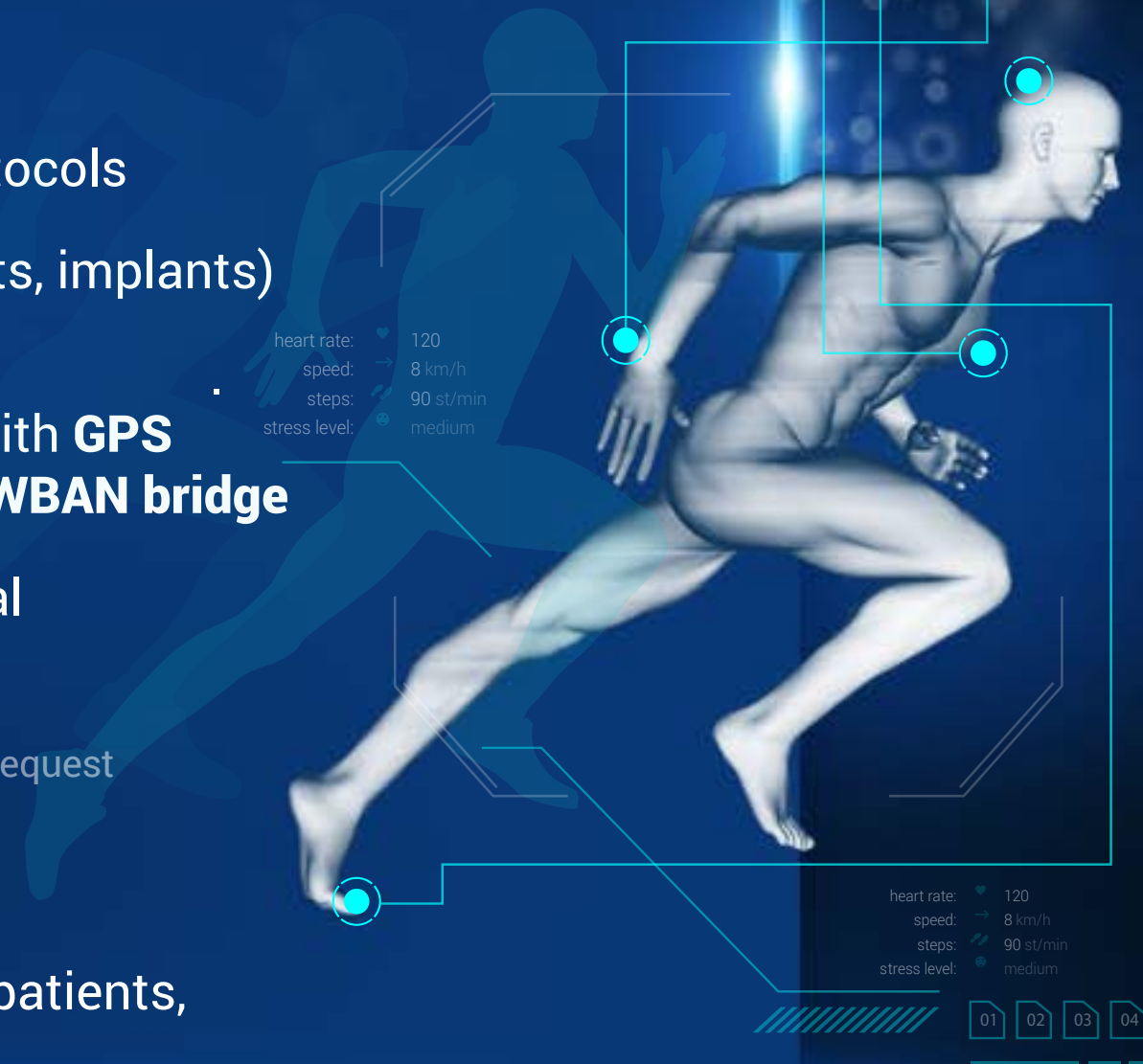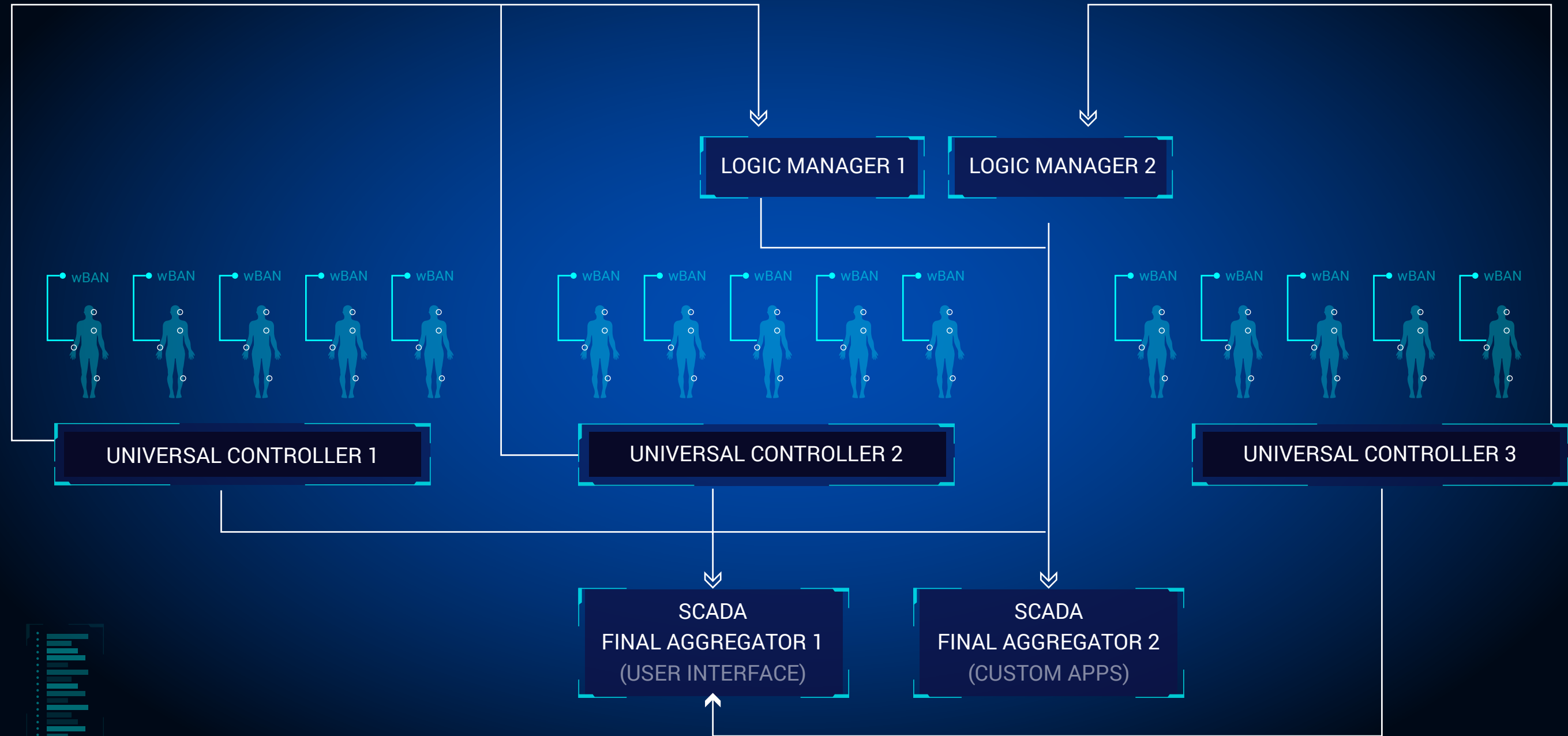
1. **Heart rate monitor** – any available on the market, with **Bluetooth LE** or **ANT+ support**

2. Sweating, skin conductance, pulse oximeters

3. Additional sensors enabling connection via indicated protocols

4. You can always choose any sensor format (bracelets, belts, implants) by any manufacturer

5. **Location, pedometer, speed** – any smartphone* or **PDA** with **GPS** and/or **GSM Cell Location** support and installed **EVA ICS WBAN bridge**

5. Data transfer to control centers – with any chosen interval

* Android based, development for other operating systems possible on customer request

heart rate: 120
speed: 8 km/h
steps: 90 st/min
stress level: medium

heart rate: 120
speed: 8 km/h
steps: 90 st/min
stress level: medium

01 02 03 04

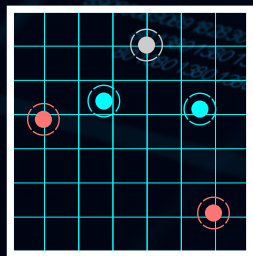EVA ICS is initially adapted for group control: sport clubs, patients, industrial workers, special forces.

UNLIMITED SCALABILITY

ULTRA-MODERN INTERFACES

Mobile and desktop interfaces
of any complexity

Full support of HTML5
and WebSocket

345 0100
NOT AVAILABLE

heart rate:
speed:
steps:
stress level:

Reset

326 011
AVAILABLE

heart rate: 120
speed: 8 km/h
steps: 90 st/min
stress level: medium

Reset

326 011
AVAILABLE

heart rate: 120
speed: 8 km/h
steps: 90 st/min
stress level: medium

Reset

254 154
OFF

Reset

254 174
OFF

Reset

INTEGRATION AND SUPPORT

For any questions about integration, support and partnership contact the developer – AlterTech Group:

🌐 www.altertech.com

✉ pr@altertech.com

ALTERTECH

Official representative in EU:

📍 Altertech s.r.o.
Pod Harfou 938/60
Prague, 190 00
Czech Republic

📞 +420 272 049 157

Official representative in Ukraine:

📍 Altertech Ltd., Vodohinna St., 2,
Lviv, Ukraine

📞 +380 (32) 244 46 78

EVA
ICS