



CANSAT Bulgaria

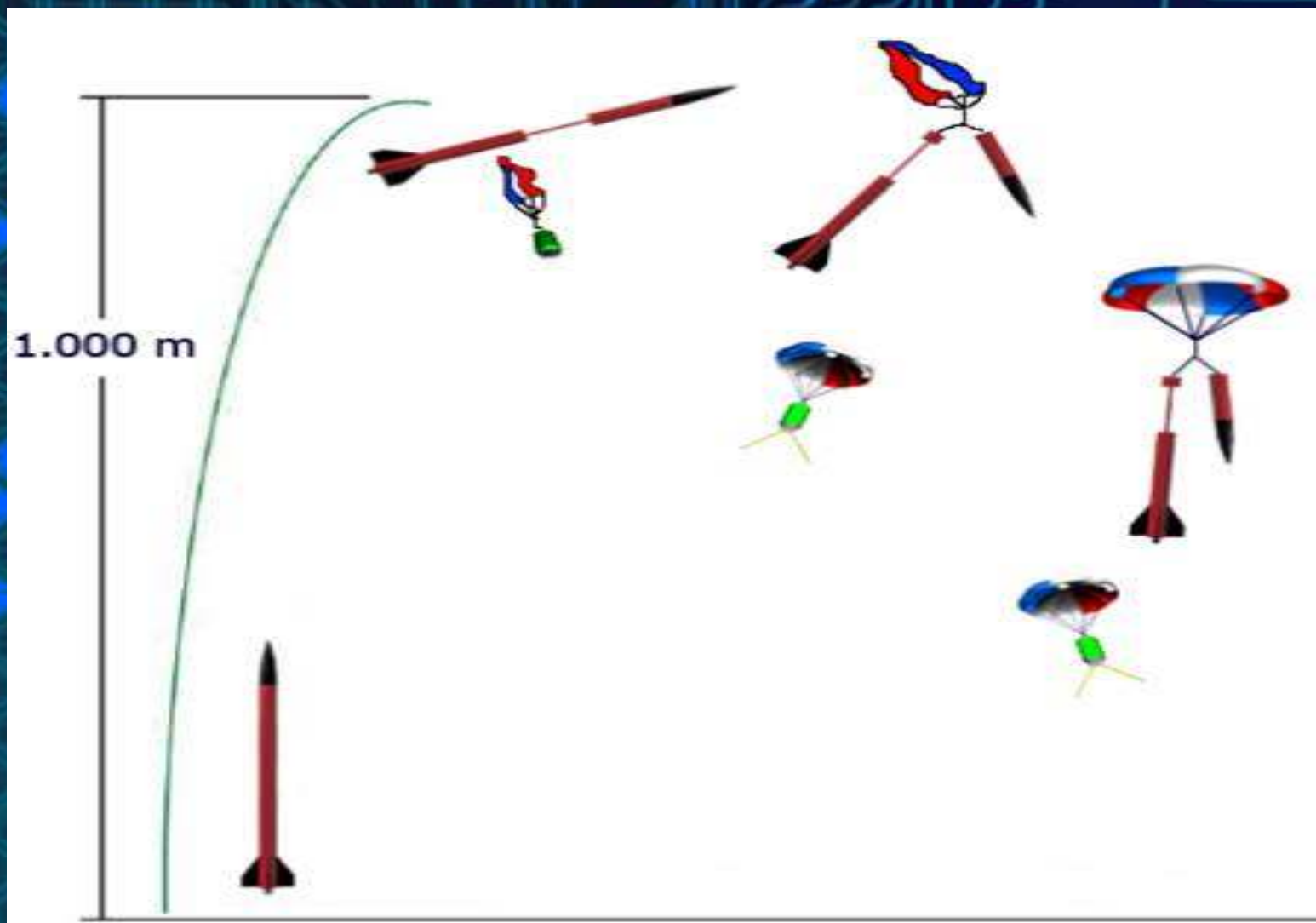
Косьо Николов
Виктор Мирев

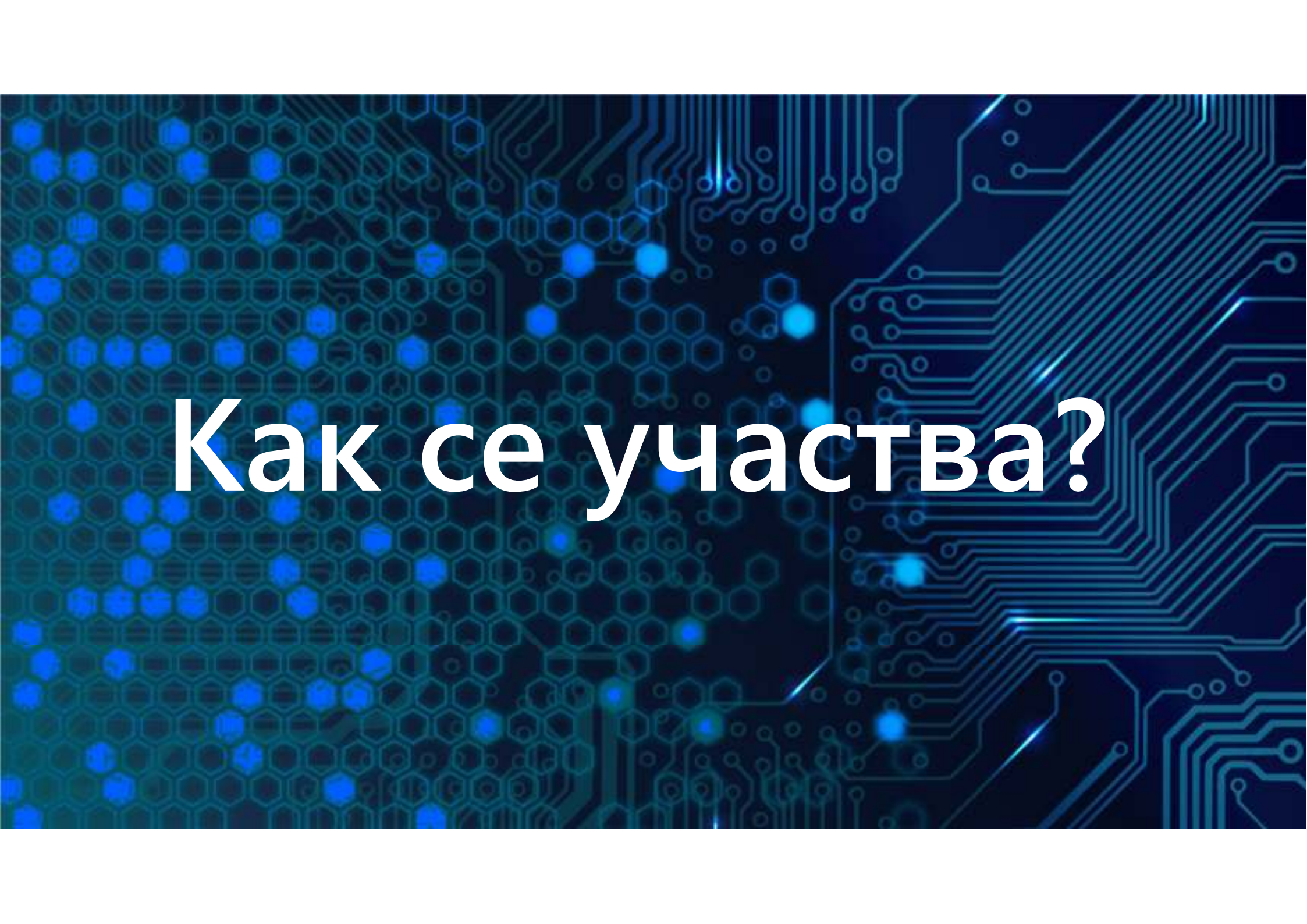
Ръководители:
Силвия Захариева
Костадин Левков

The logo for CANSAT Bulgaria is displayed on a white rectangular background. The word "CANSAT" is written in a large, bold, sans-serif font, with "CAN" in blue and "SAT" in red. Below it, the word "BULGARIA" is written in a smaller, bold, blue, sans-serif font.

CANSAT
BULGARIA

Какво е CanSat?



The background is a dark blue field filled with glowing digital motifs. On the left, there's a grid of hexagons, some of which are filled with a lighter blue color. On the right, there are complex, winding lines resembling a circuit board or data pathways. Scattered throughout are small, bright blue dots and larger, fainter hexagonal shapes, creating a sense of depth and technological complexity.

Как се участва?

Изисквания

- Да се побира в алуминиево кенче(CANsat)
- Тегло 300-350 грама
- Да струва не повече от 500 евро
- Да измерва поне две величини
- Възможност за анализ и съставяне на графика на измерените величини
- Да има захранване за поне 3 часа
- Сателитът да издържа ускорение до 20 g
- Скорост на падане: от 8 до 11 m/s за ненасочено падане, около 6 m/s за насочено

Характеристики на ракетата

Маса: 3 кг

Дължина: 1,5 метра

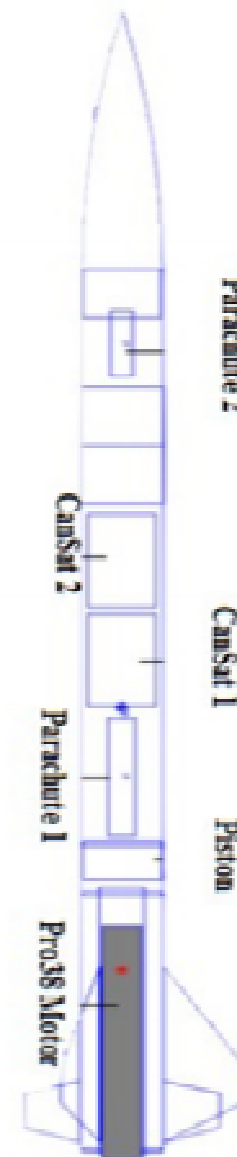
Диаметър: 79,4 мм

Размах на стабилизаторите: 232 мм

Таван на полета: 1000 метра

Времетраене: 140 секунди

Маса на двигателя: 280 грама



Докъде сме стигнали

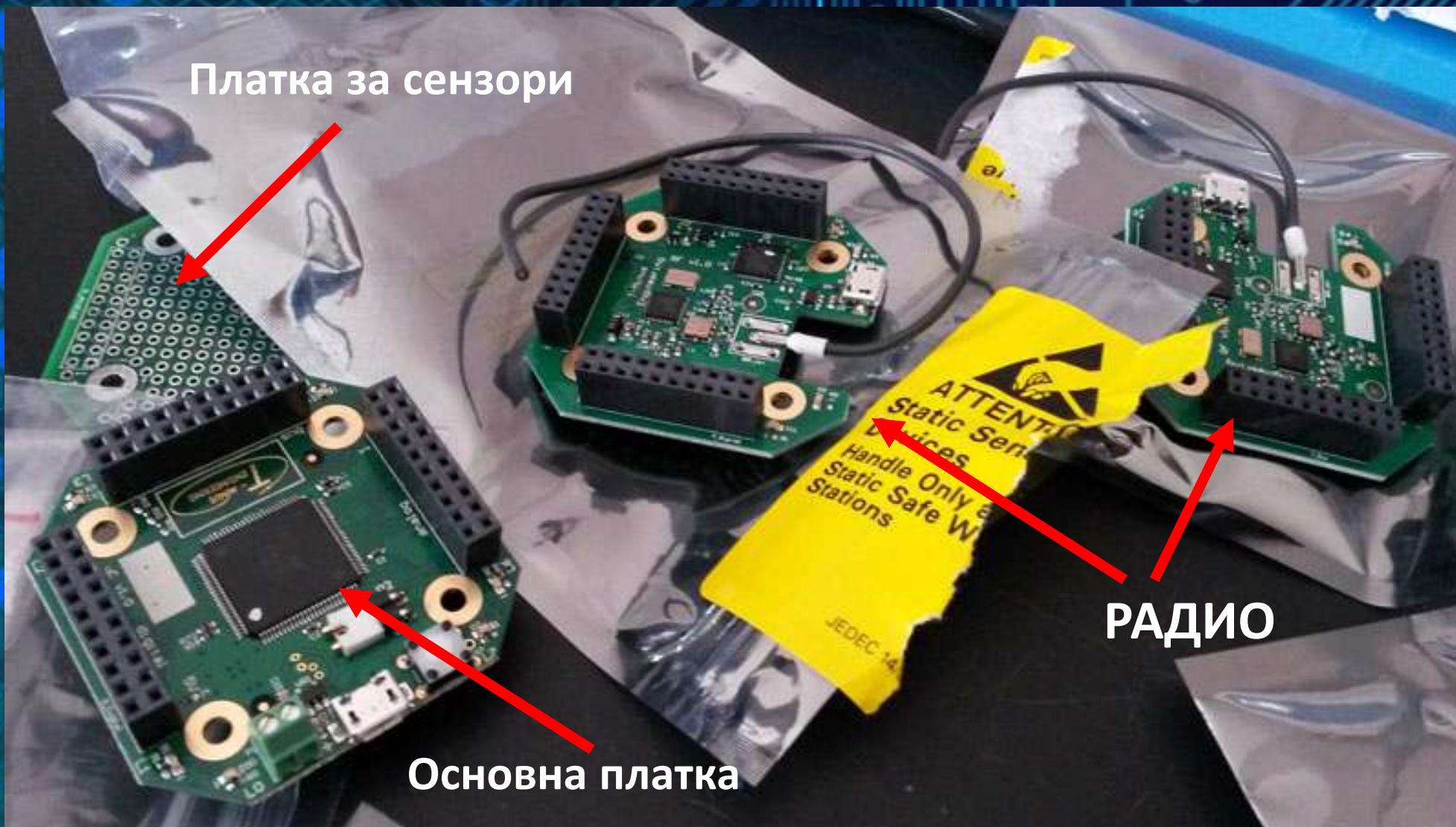


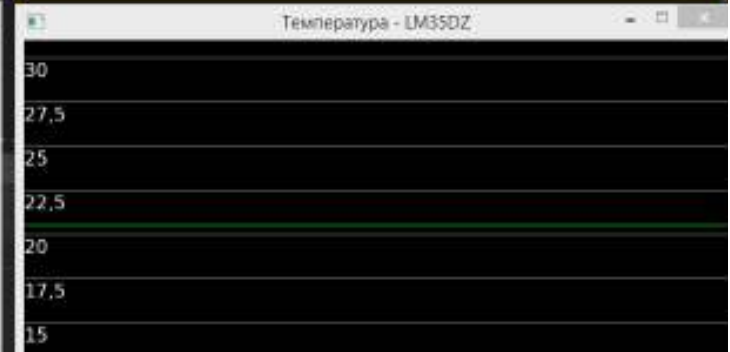
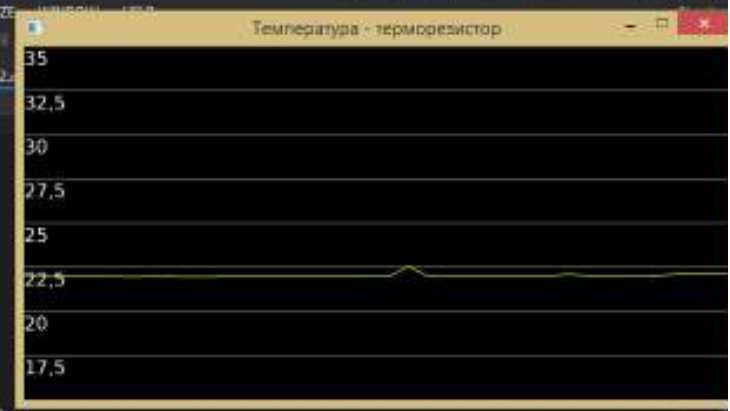
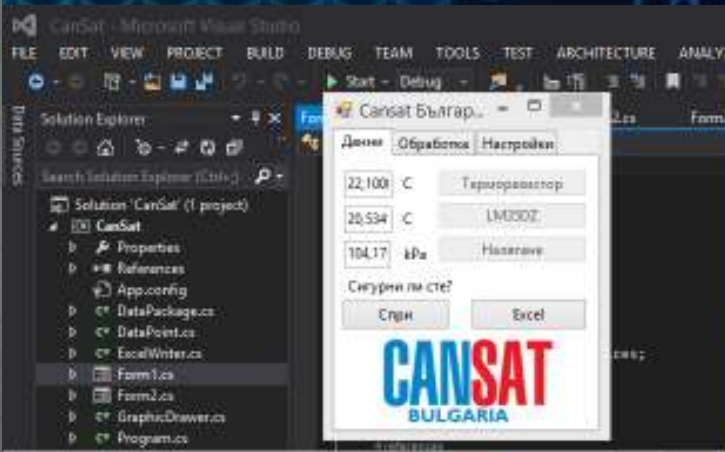
Платка за сензори

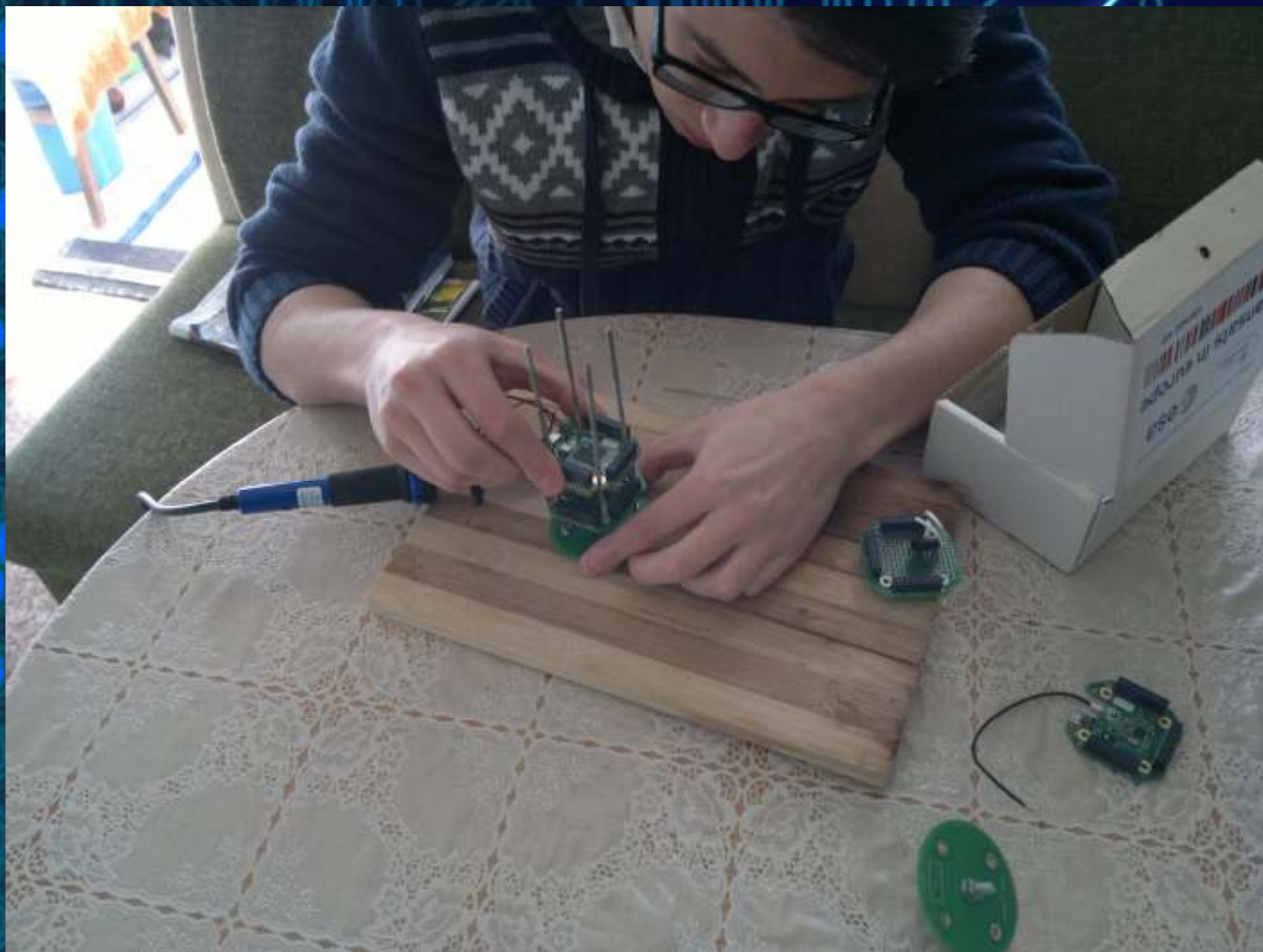
Основна платка

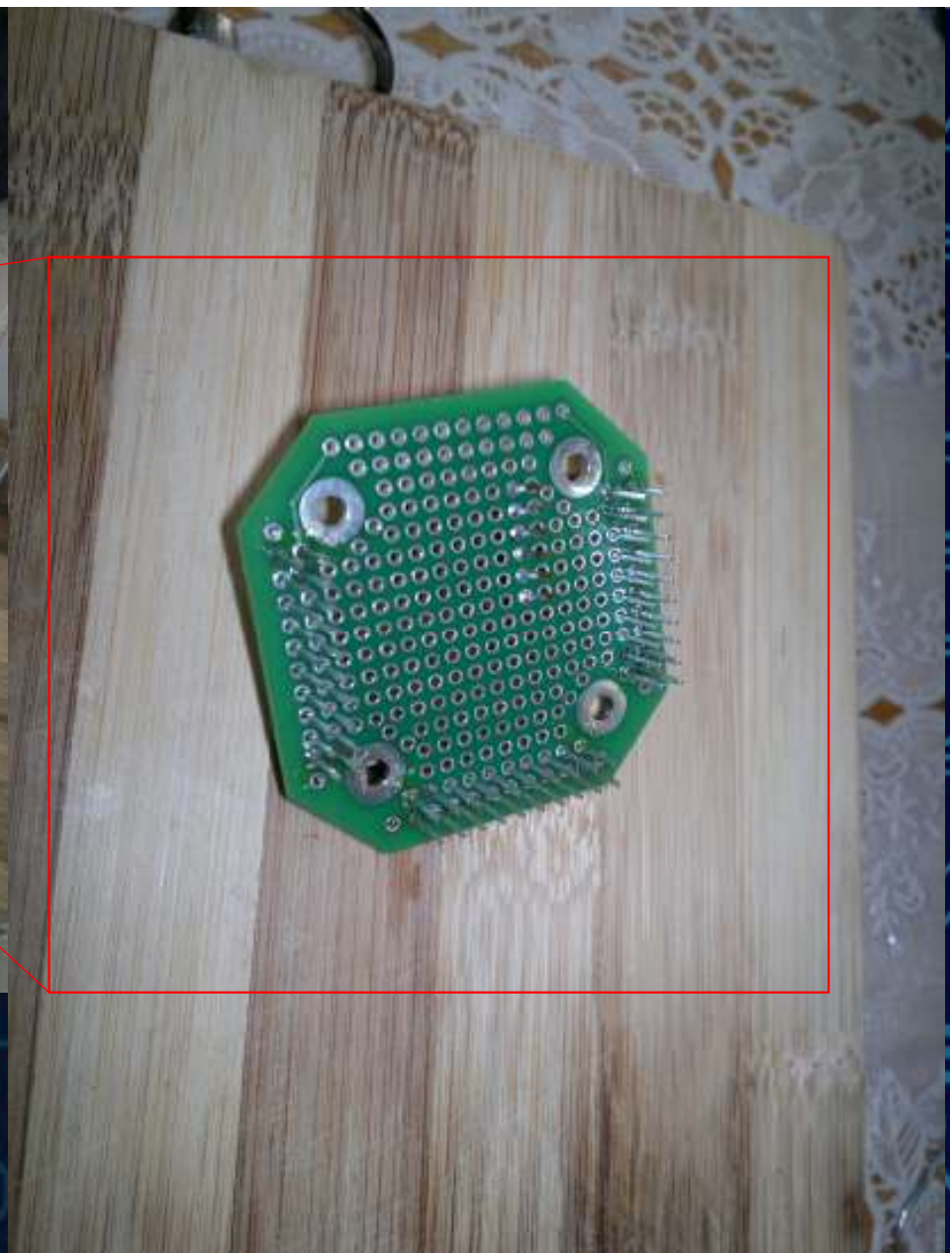
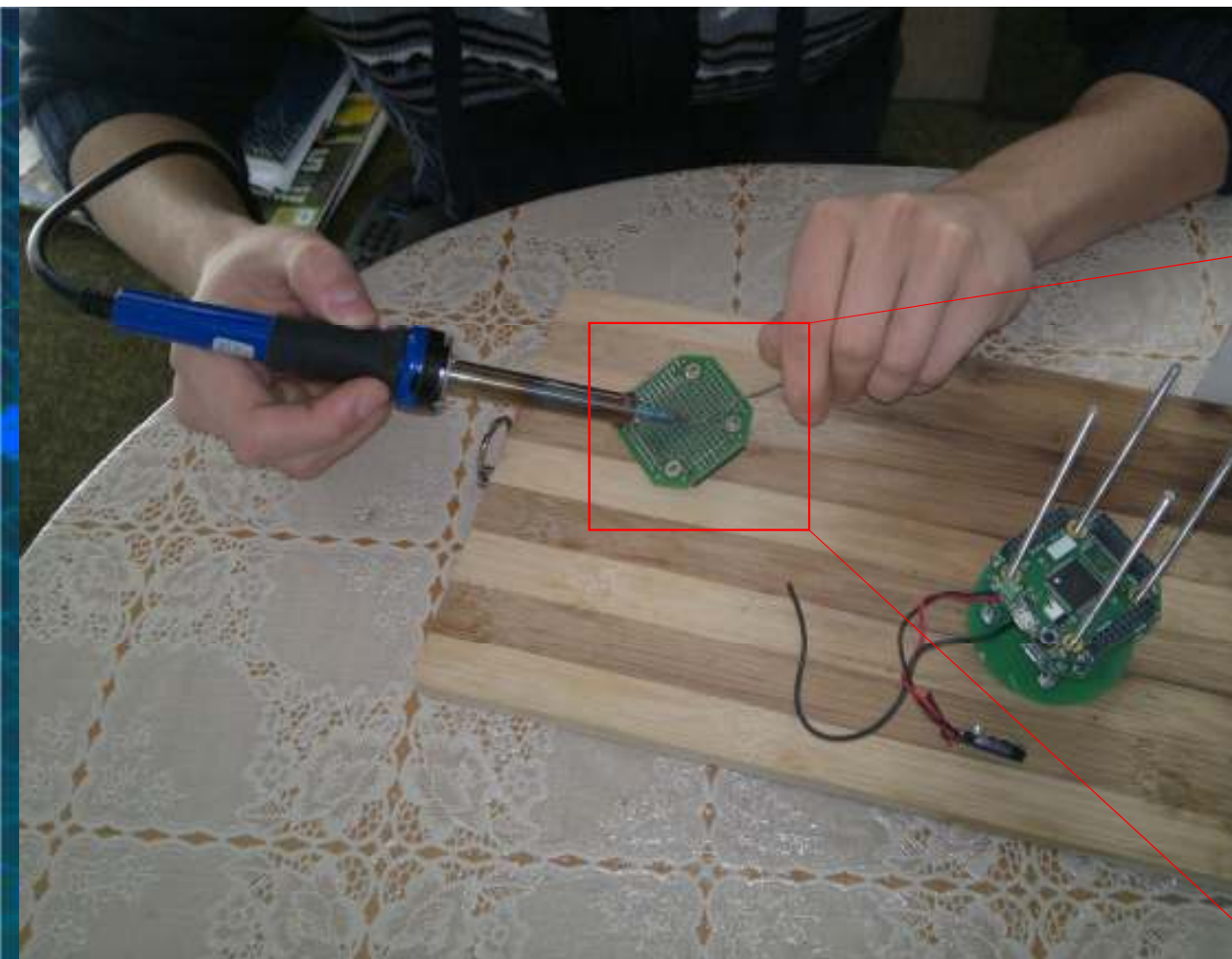
РАДИО

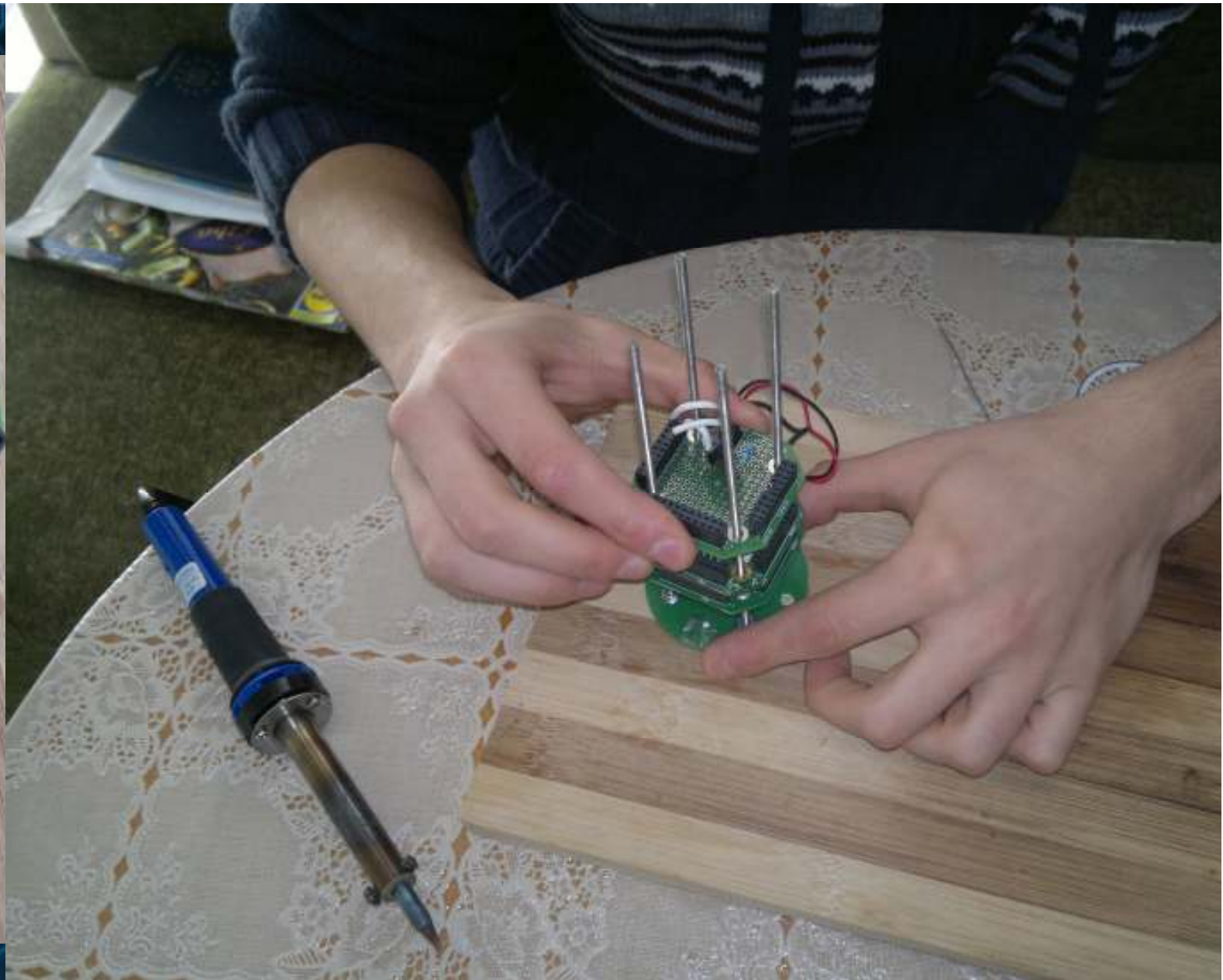
ATTENTION
Static Sensitive
Devices
Handle Only at
Static Safe Work
Stations
JEDEC 14

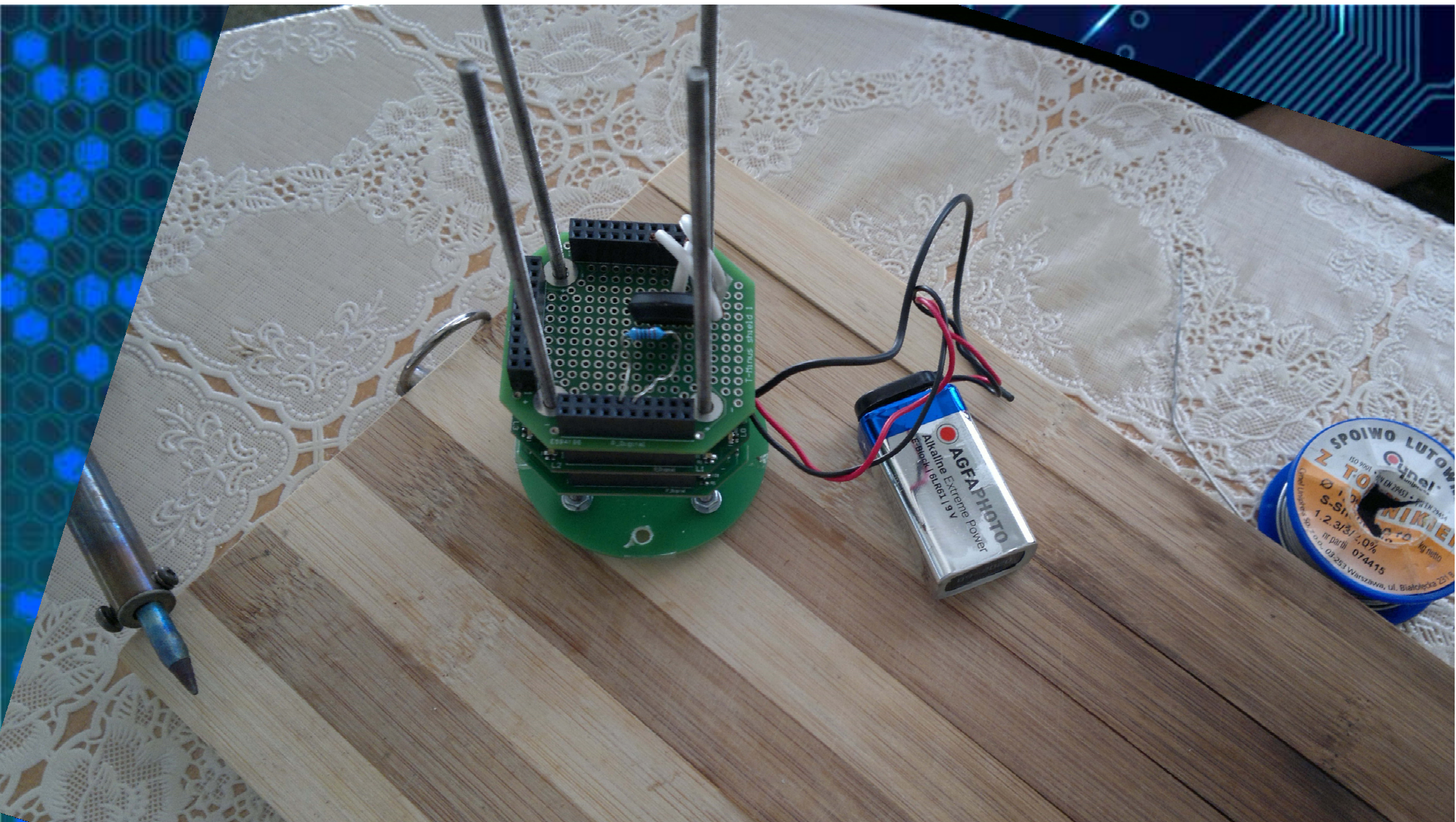


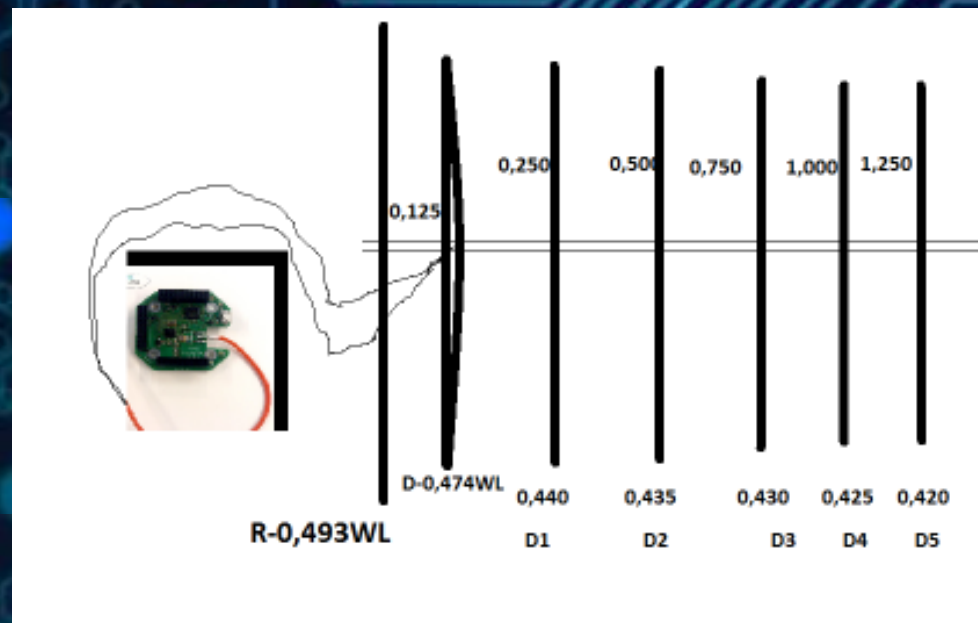
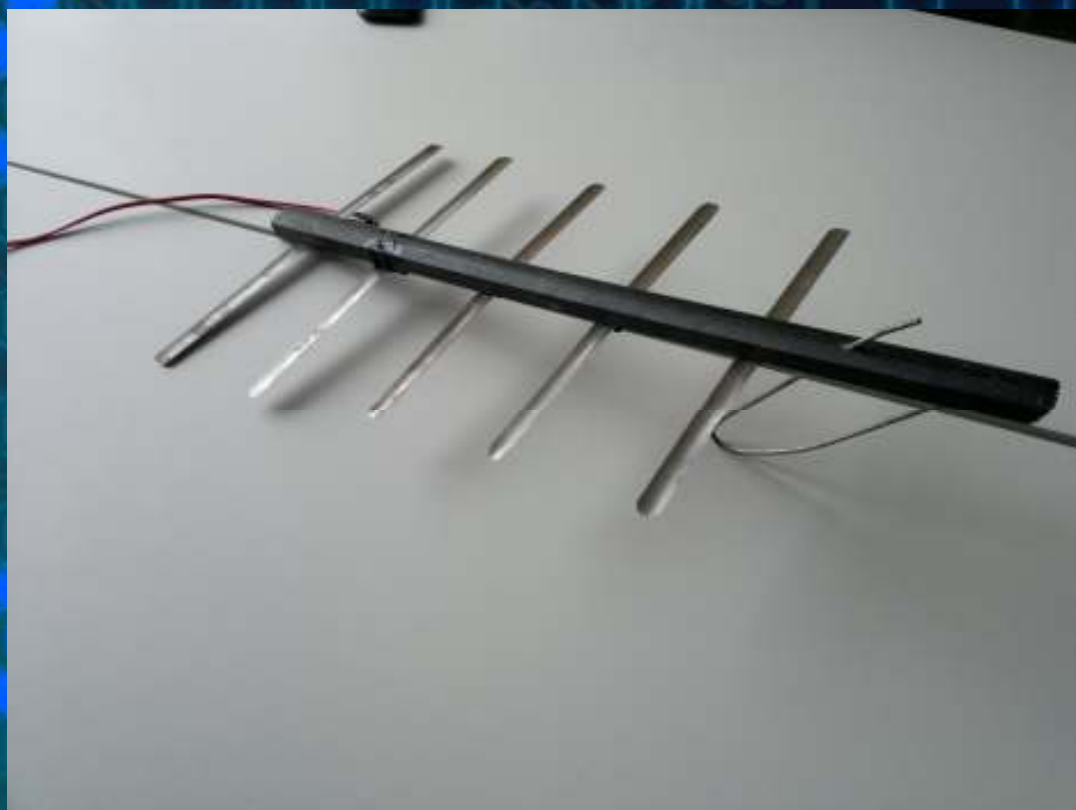


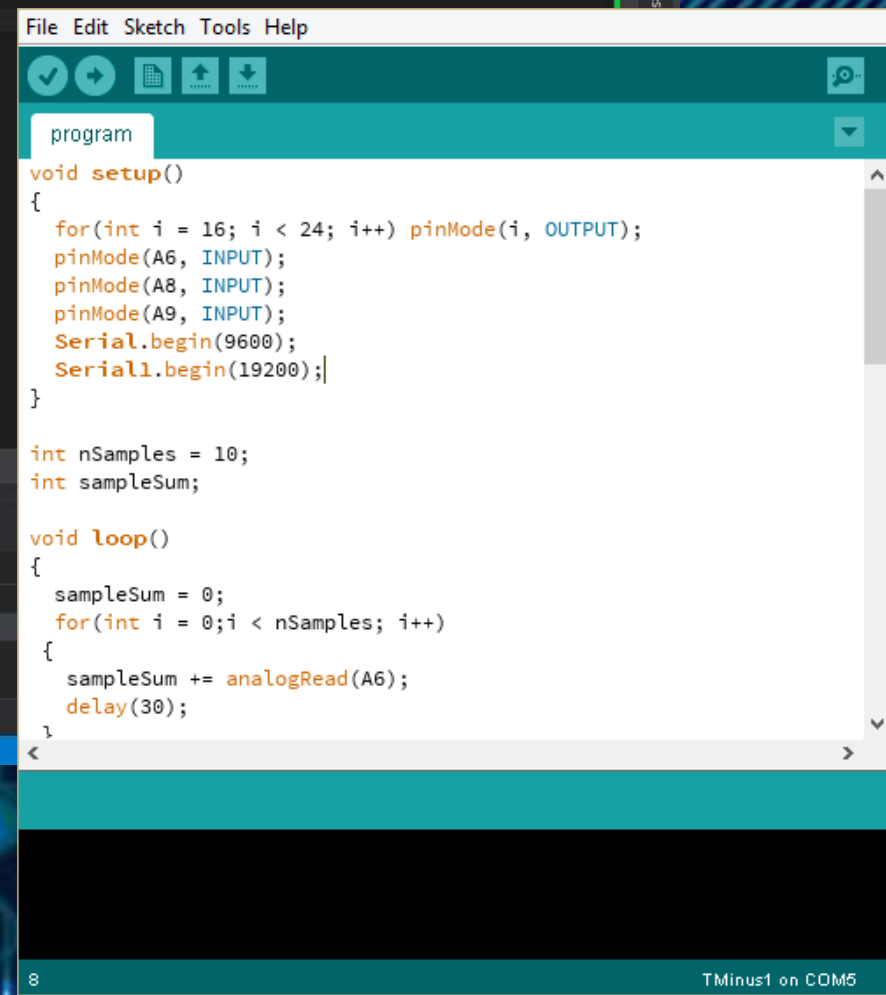
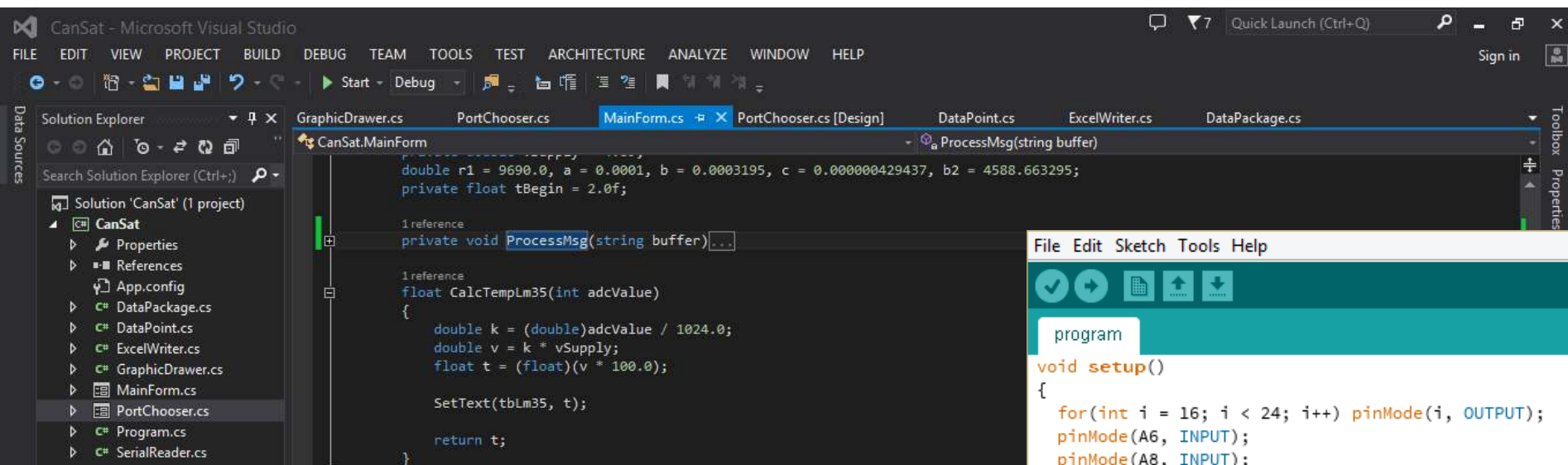






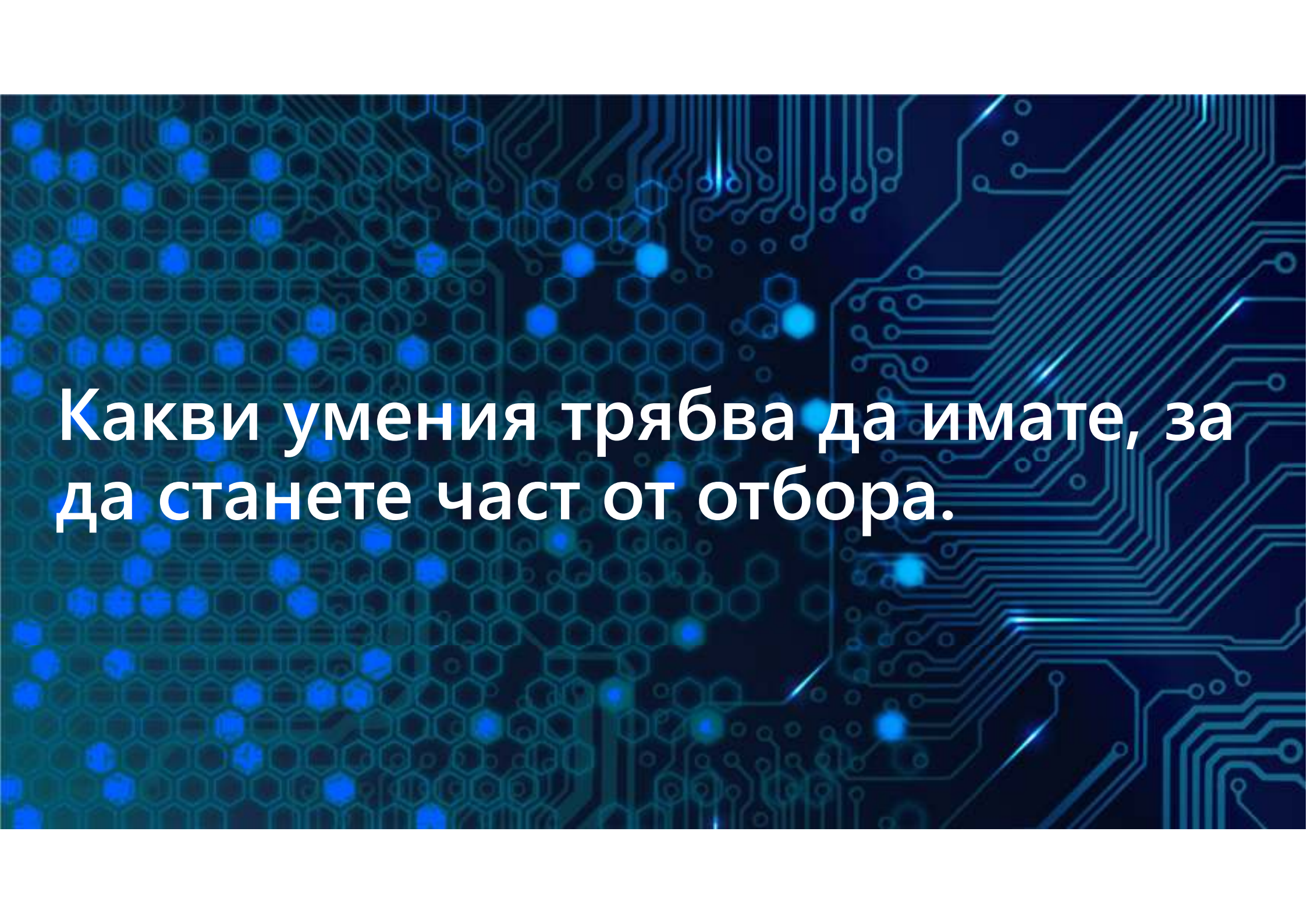






Бъдещи цели!

- Добавяне на още сензори
 - висотомер
 - GPS
 - Жироскоп
 - Акселерометри
 - Сензори за CO₂, радиационни нива, състояние на атмосферата.
- Участие в представяния на международно ниво
- Увеличаване на екипа
- Популяризиране в България и организиране на национален конкурс



Какви умения трябва да имате, за да станете част от отбора.



Form1.cs [Design]

CanSat.Form1

buffer

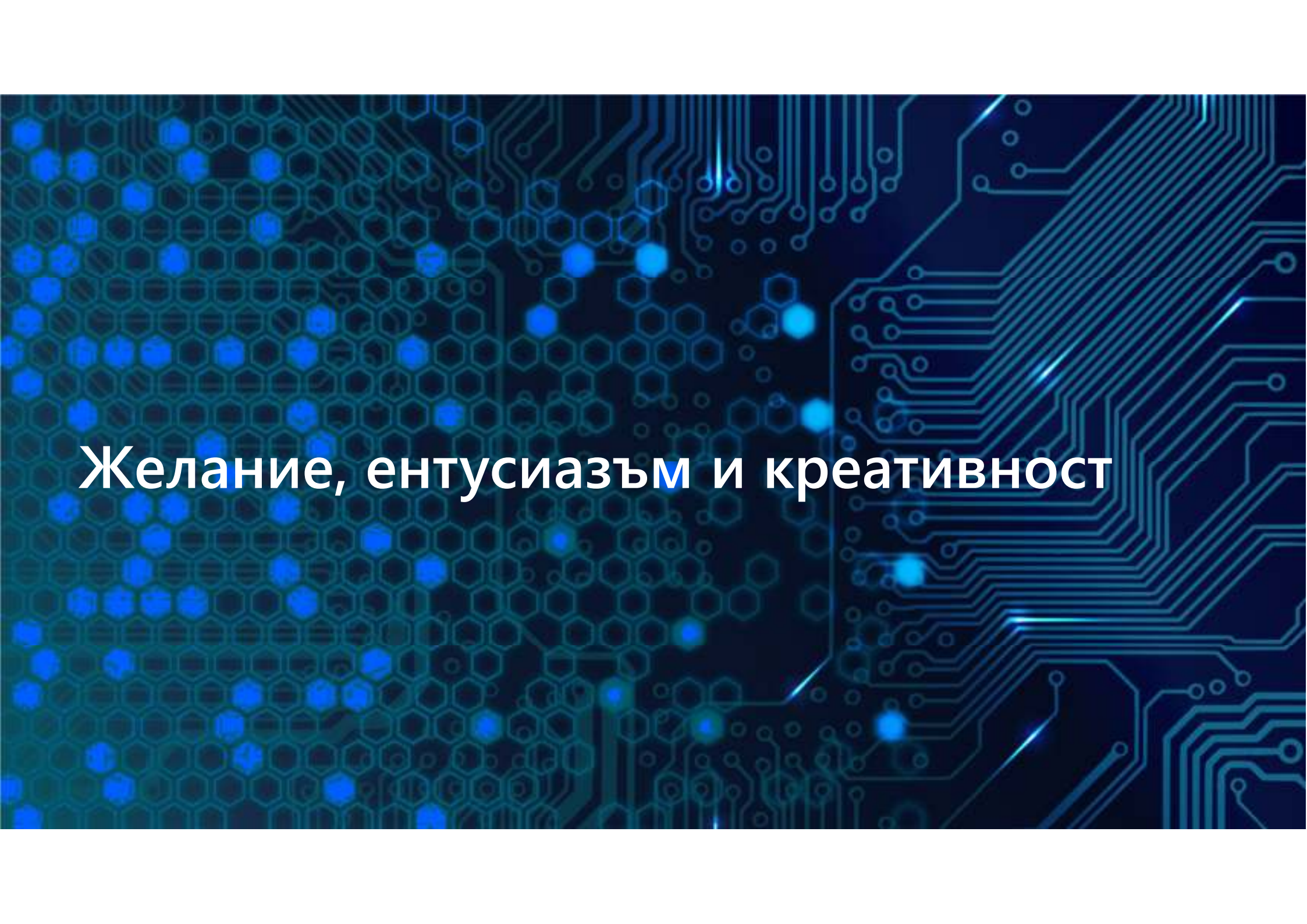
```
string buffer;

1 reference
private void DataReceivedHandler(object sender, SerialDataReceivedEventArgs e)
{
    SerialPort sp = (SerialPort)sender;
    string text = sp.ReadExisting();
    buffer += text;
    if (text.Contains('\n')) processMsg();
}

private float vSupply = 5.0f;
private float tBegin = 2.0f;

1 reference
private void processMsg()
{
    int msgLen = 0;
    for (int i = 0; i < buffer.Length; i++) if (buffer[i] == '\n') msgLen = i;
    string msg = buffer.Substring(0, msgLen);
    buffer = buffer.Substring(msgLen, buffer.Length - msgLen);
}
```

100 %

The background is a dark blue field filled with intricate, glowing circuit-like patterns. On the left, there's a grid of hexagons, some of which are filled with a bright blue light. To the right, there are more complex, winding lines resembling a printed circuit board. Scattered throughout the image are numerous small, bright blue dots, some of which are slightly out of focus, creating a sense of depth and digital activity.

Желание, энтузиазъм и креативност

Специални благодарности!

- *Математическа гимназия*
- *Възход за Варна*
- *Костадин Левков*
- *Силвия Захариева*
- *Георги Парашкевов*



Контакти

- Facebook: **CanSatBulgaria**
- Страница **CanSatBulgaria**:
<https://www.facebook.com/CanSatBulgaria-1662155304048227/>
- Група **CanSatBulgaria**:
<https://www.facebook.com/groups/1715932605289325/>

Благодарим за вниманието!

