



Smart4Energy

Visualizzazione status di apparati
industriali tramite applicativo mobile

> carbon7_
team



Il gruppo Carbon7



Adnan Latif Gazi (3° anno)

Leonardo Speranzon (3° anno)

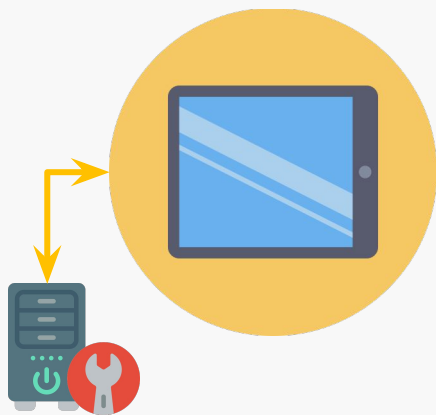
Matteo Noro (3° anno)

Damiano D'Amico (4° anno)

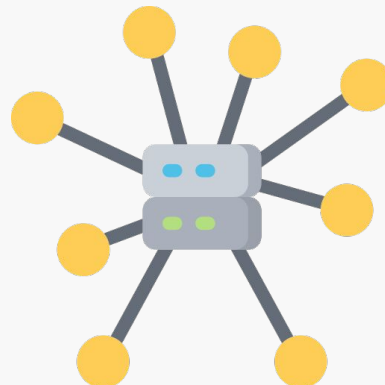
Marco Odinotte (4° anno)

Funzionamento Generale

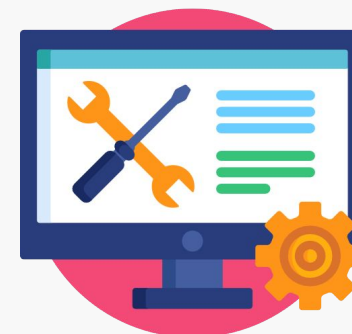
Virtual Display



Nodo Server



Remote Support

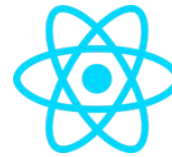


Front End

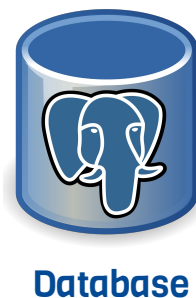
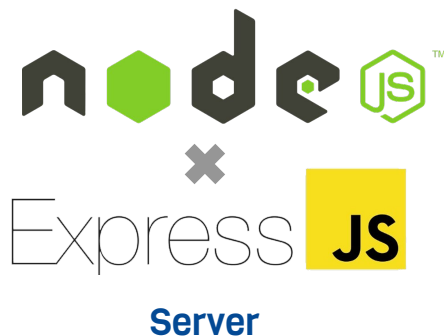
Virtual Display



Remote Support



Back End e Server



Automazione dello sviluppo



Gradle per lo sviluppo del Virtual
Display

Libreria a supporto



**Functional Reactive Programming
Pattern Observer in React**

Testing



Gestione Sviluppo



Internal communication



Repository

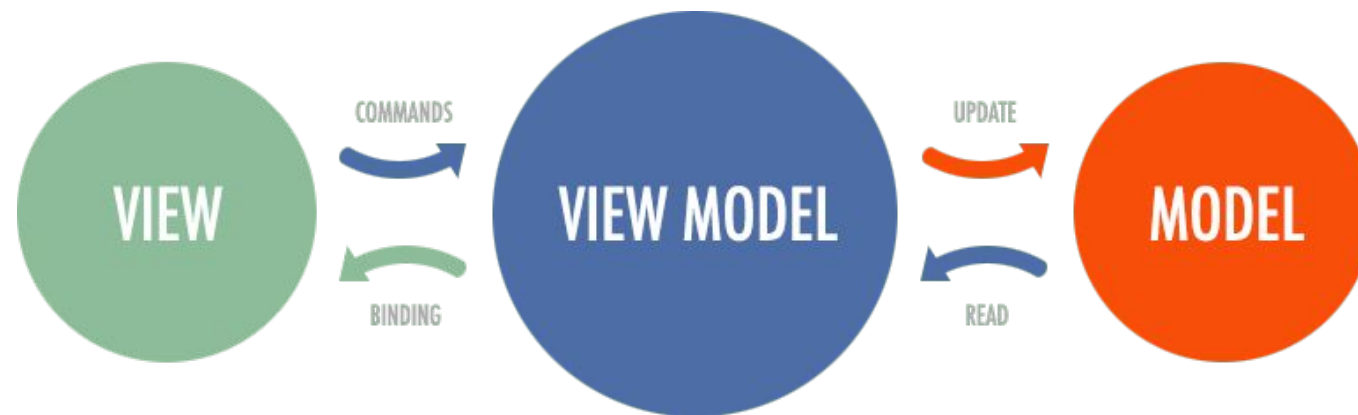


Package Manager

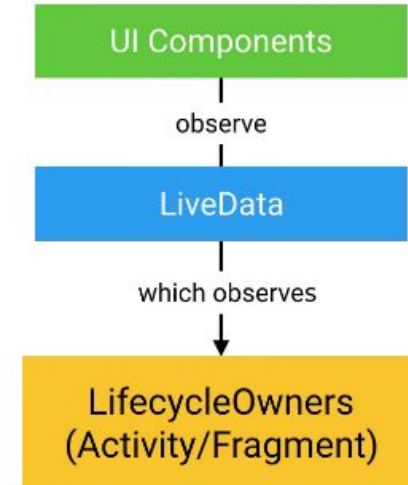
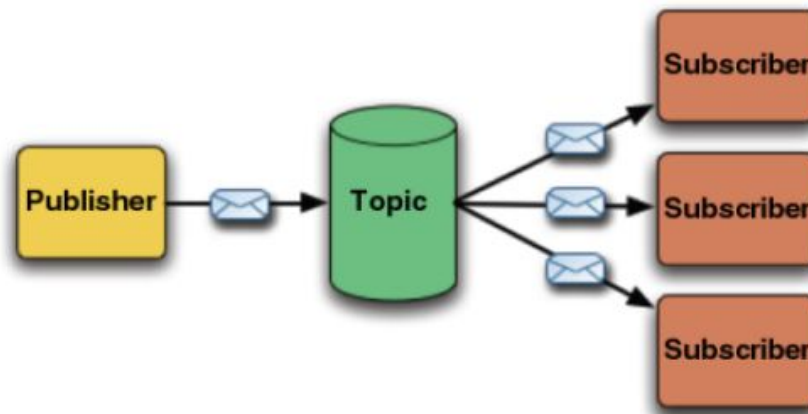


IDE

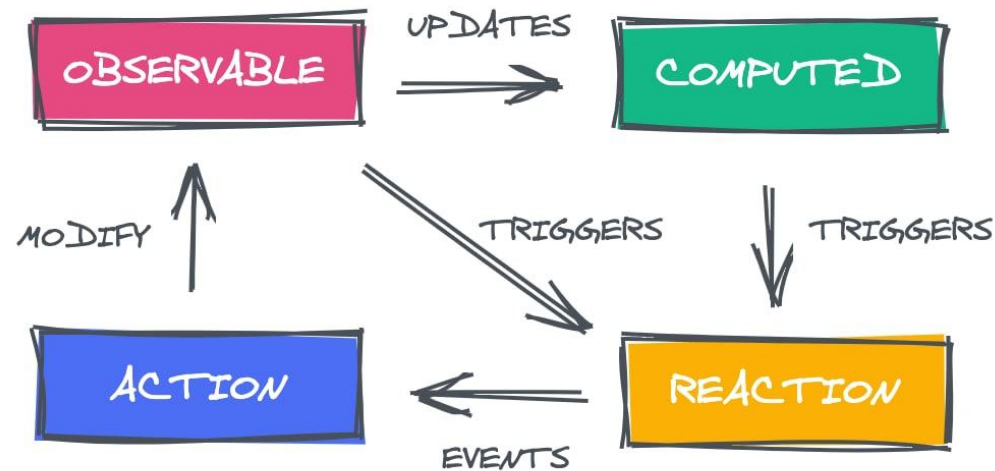
Design Pattern Virtual Display - MVVM



Design Pattern Virtual Display - Altri



Design Pattern Remote Support - Observer



Avvio

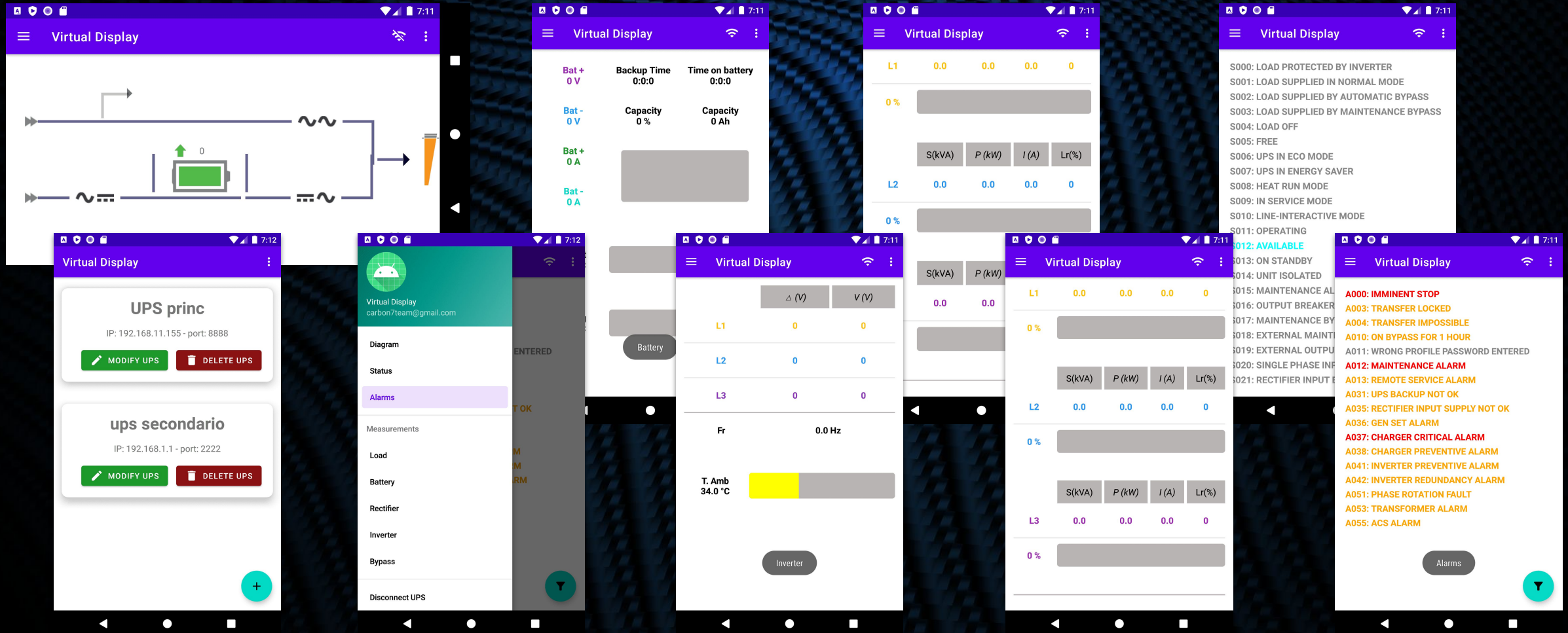
Emulatore ModBus: `./ModbusSlave.exe -d .`

Virtual Display: *Run from Android Studio*

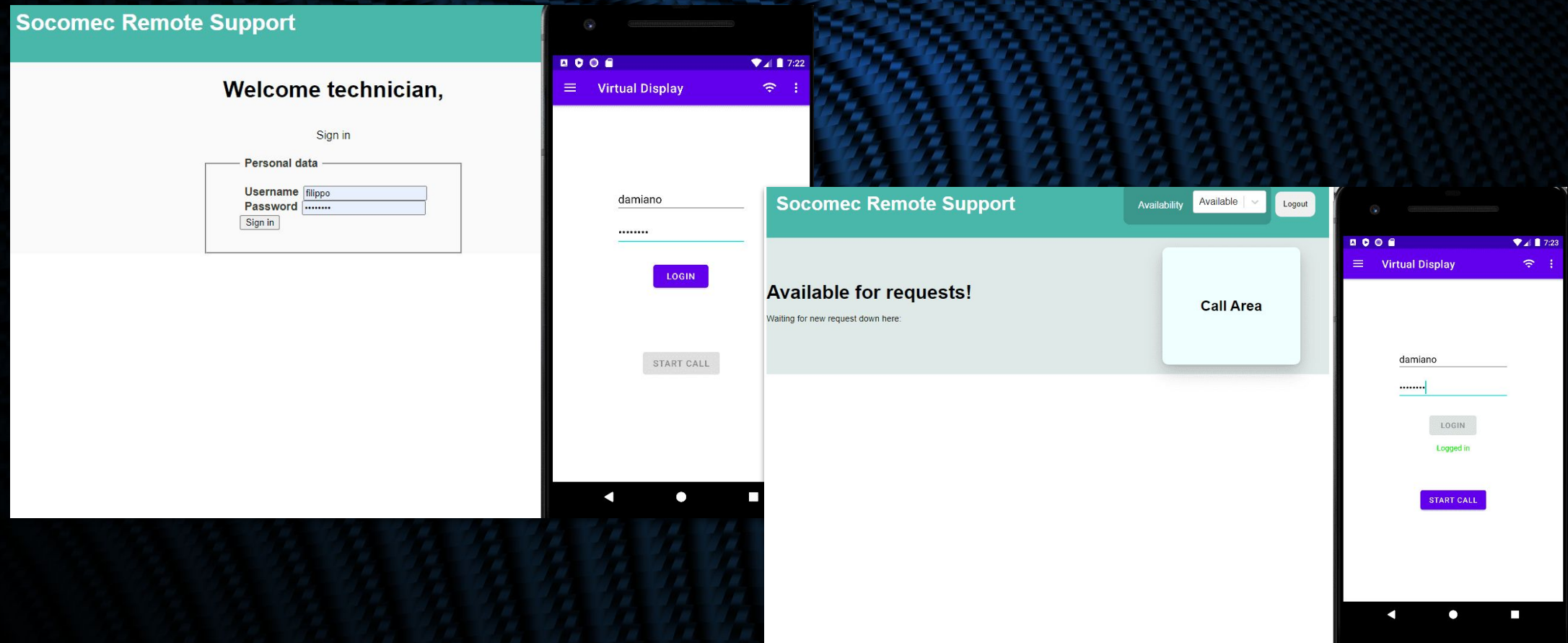
Remote Support: `npm start`

Server: `npm start`

Virtual Display



Login



Assistenza Tecnica

Socomec Remote Support

Availability Available Logout

Available for requests!

Waiting for new request down here:

Client informations



Name: Damiano
Surname: D'Amico
Username: damiano
E-mail: damicodamiano3@gmail.com

Call Area

Do you accept this request?

ACCEPT DECLINE

Virtual Display



LOAD PROTECTED BY INVERTER

S001: LOAD SUPPLIED IN NORMAL MODE

S002: LOAD SUPPLIED BY AUTOMATIC BYPASS

S003: LOAD SUPPLIED BY MAINTENANCE BYPASS

S004: LOAD OFF

S005: FREE

S006: UPS IN ECO MODE

S007: UPS IN ENERGY SAVER

S008: HEAT RUN MODE

S009: IN SERVICE MODE

S010: LINE-INTERACTIVE MODE

S011: OPERATING

S012: AVAILABLE

S013: ON STANDBY

S014: UNIT ISOLATED

S015: MAINTENANCE ALERT

S016: OUTPUT BREAKER CLOSED

S017: MAINTENANCE BYPASS CLOSED

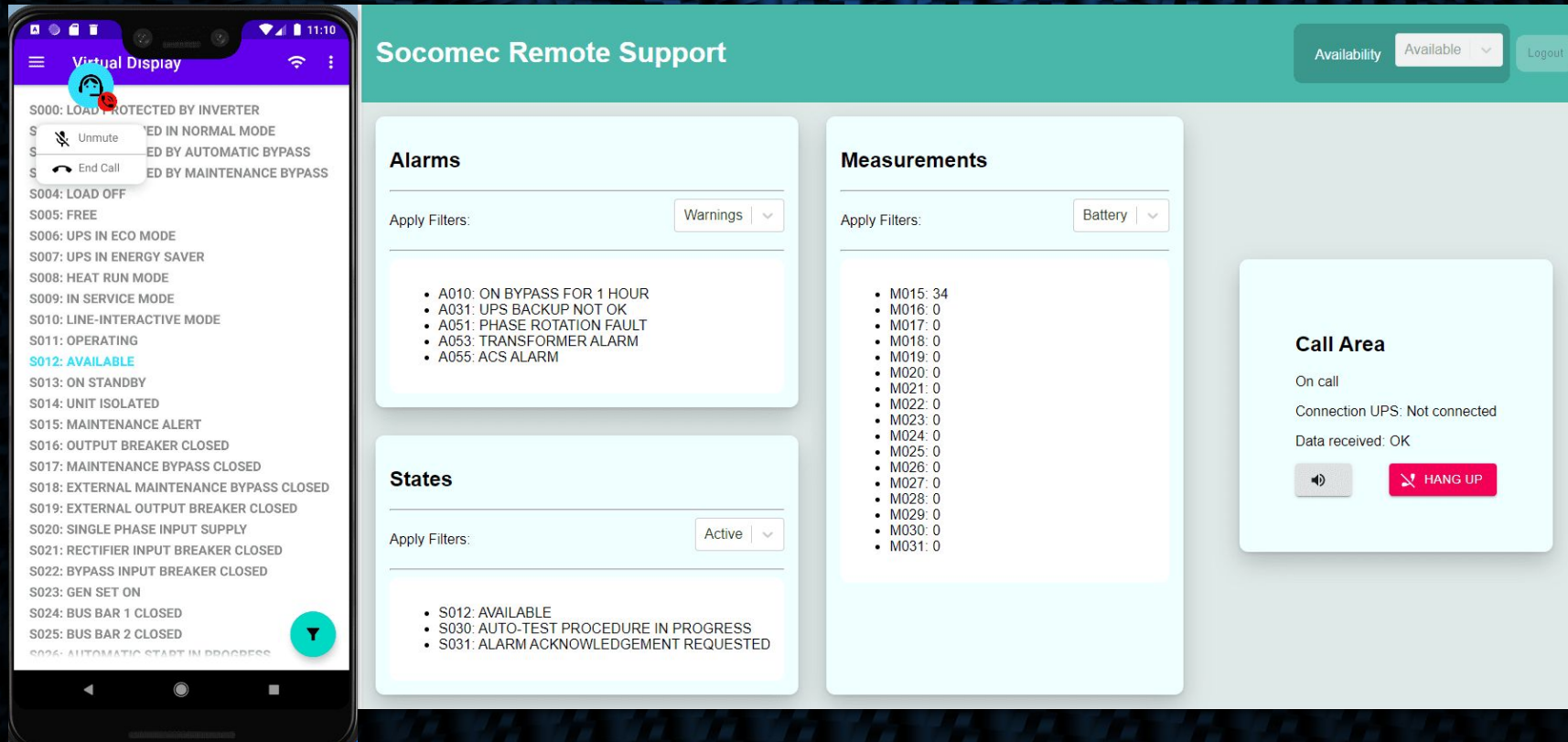
S018: EXTERNAL MAINTENANCE BYPASS CLOSED

S019: EXTERNAL OUTPUT BREAKER CLOSED

S020: SINGLE PHASE INPUT SUPPLY

S021: RECTIFIER INPUT BREAKER CLOSED

Assistenza Tecnica (2)



Grazie per l'attenzione

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www.github.com/carbon7team

```
> carbon7_  
team
```

