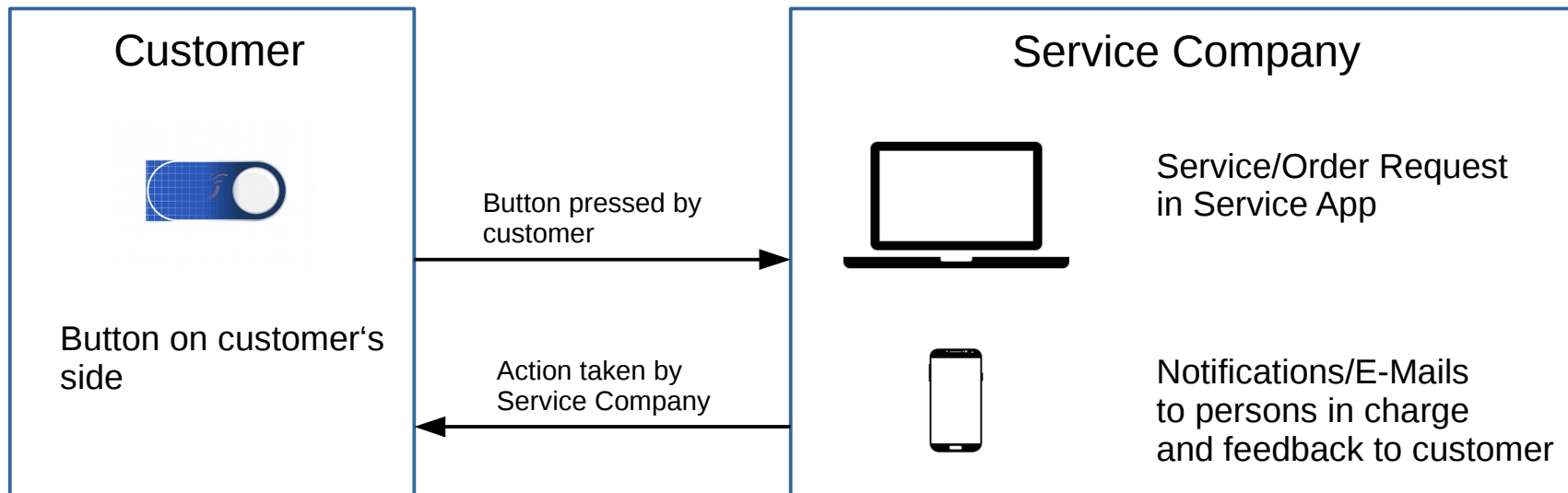


# Button – Use Case



Service App

**Service GmbH**

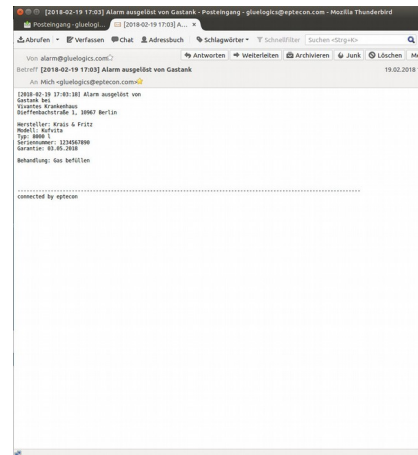
**Kundenliste**

Entity name	Address
Curry 36	Mehringdamm 36, 10961 Berlin
Vivantes Krankenhaus	Charlottenburgstraße 1, 10967 Berlin

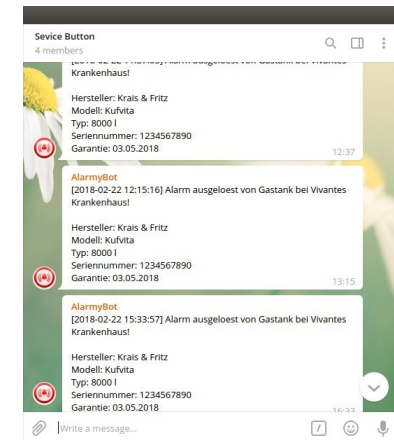
**Service GmbH Alarms**

Quelle	Typ	Schweregrad	Status
2018-03-30 03:05:10	Button001	Button Alarm	Critical
2018-03-30 02:54:03	Button004	Button Alarm	Critical
2018-03-30 02:28:50	Button003	Button Alarm	Critical
2018-03-30 02:26:01	Button002	Button Alarm	Critical
2018-03-09 14:55:50	Deleted	Button Alarm	Critical

E-Mail

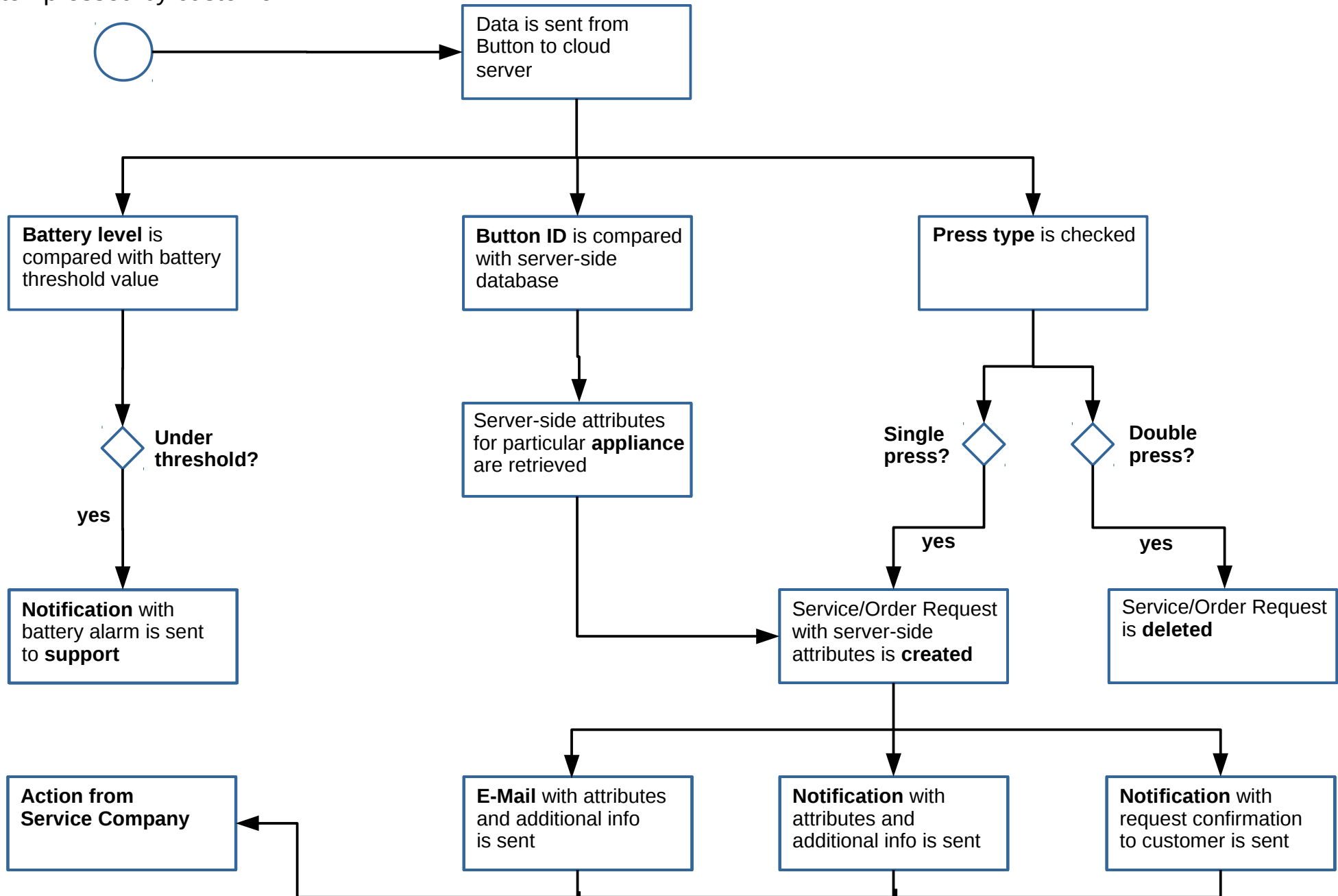


Messenger



# Button – Business Process

Button pressed by customer



# Service/Order Request – Example Service App

Service GmbH > Curry 36



## Geräteliste



Service Button	Hersteller	Bezeichnung	Modell	Garantiedatum	serialNumber	Aktion
Button001	Bartscher	Wandhaube	B1300	14.11.2018	Button001	Filter ersetzen
Button002	VIRTUS Group	Gas-Fritteuse	6060FRG	21.06.2019	Button002	Öl erneuern

Page: 1 Rows per page: 10 1 - 2 of 2 |< < > >|

## Curry 36 Alarms



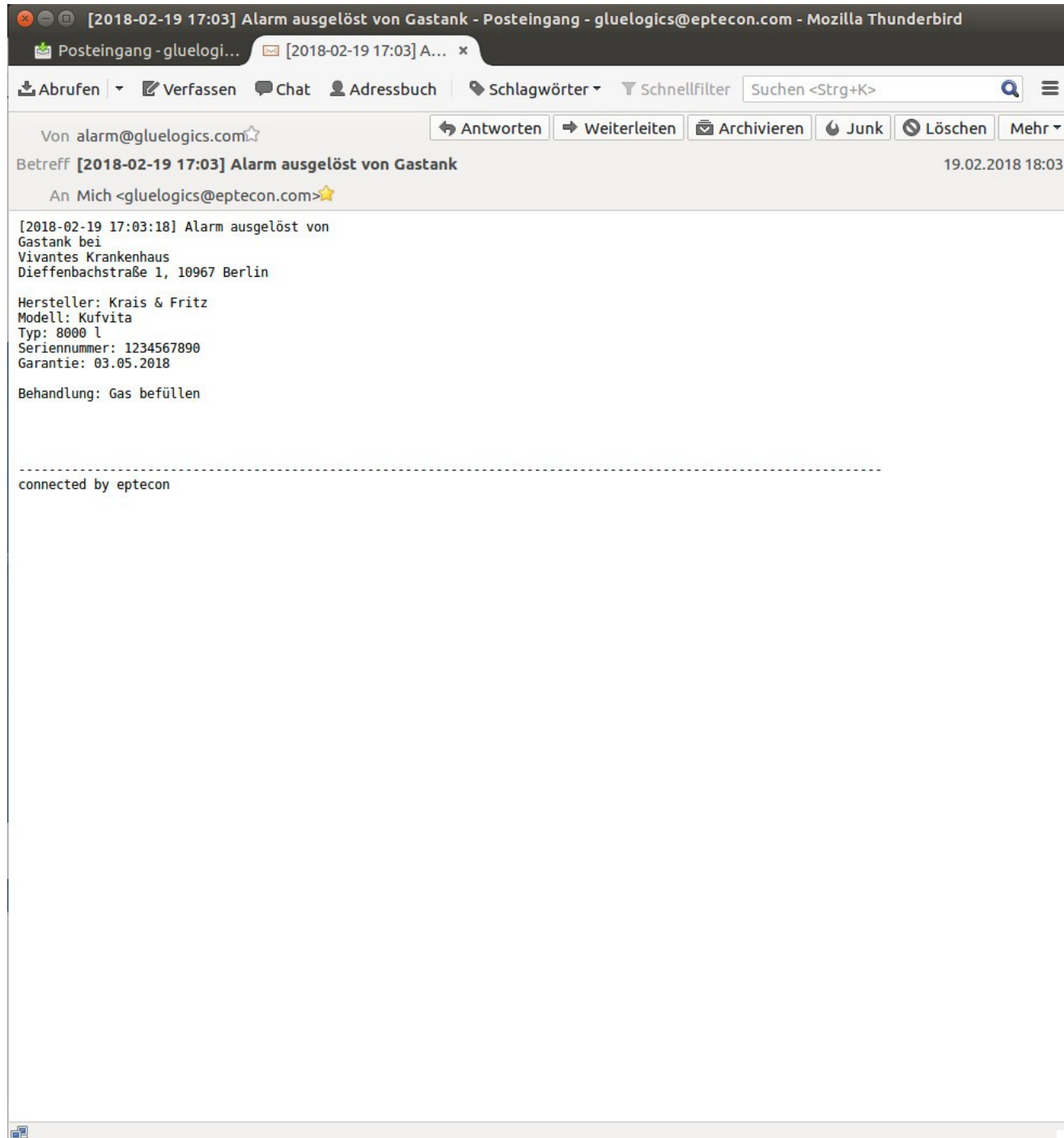
History - last 30 days

<input type="checkbox"/>	Zeit	Quelle	Typ	Schweregrad	Status	
<input type="checkbox"/>	2018-03-30 03:05:10	Button001	Button Alarm	Critical	Active Unacknowledged	...
<input type="checkbox"/>	2018-03-30 02:26:01	Button002	Button Alarm	Critical	Active Unacknowledged	...

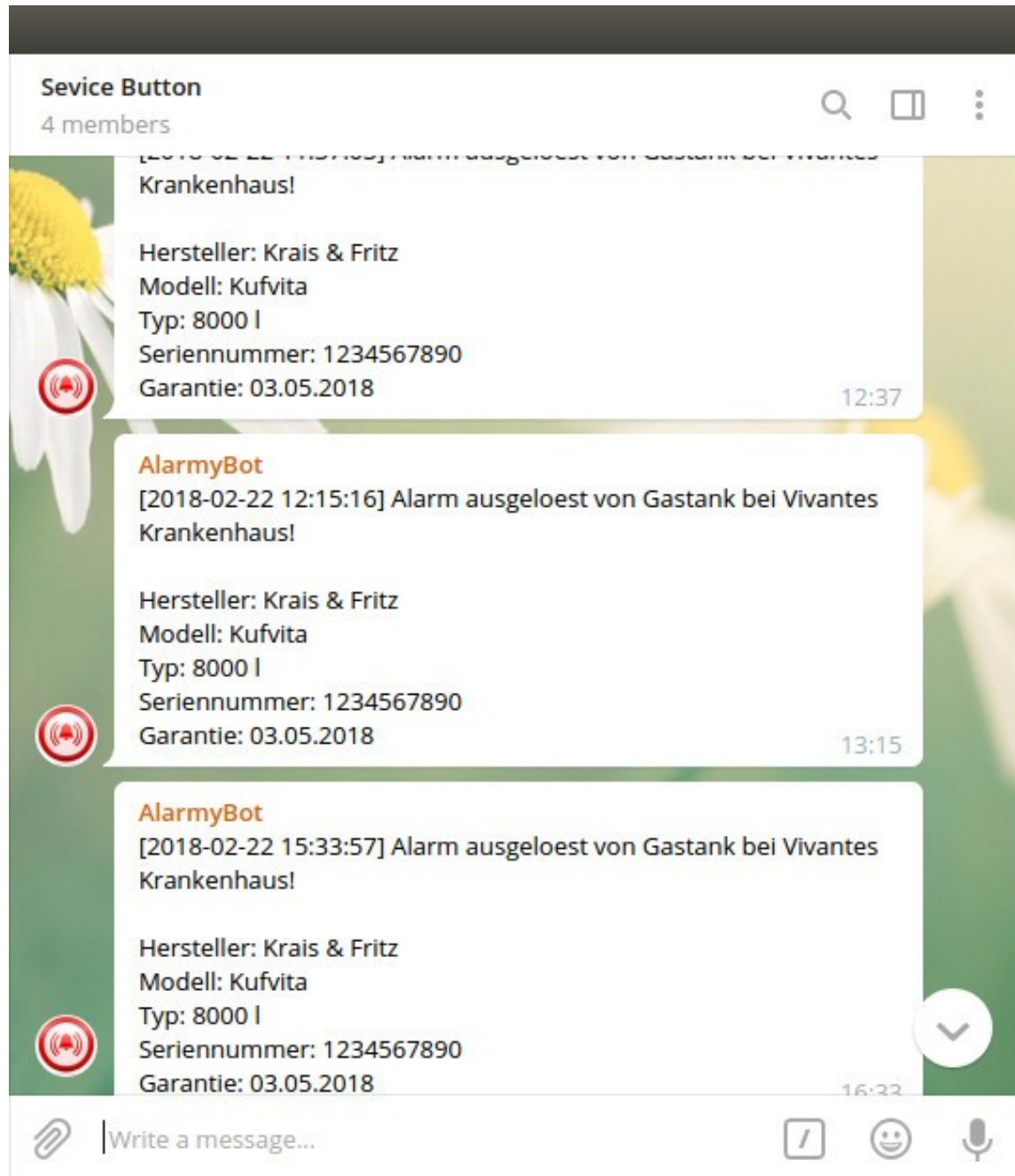


connected by eptecon

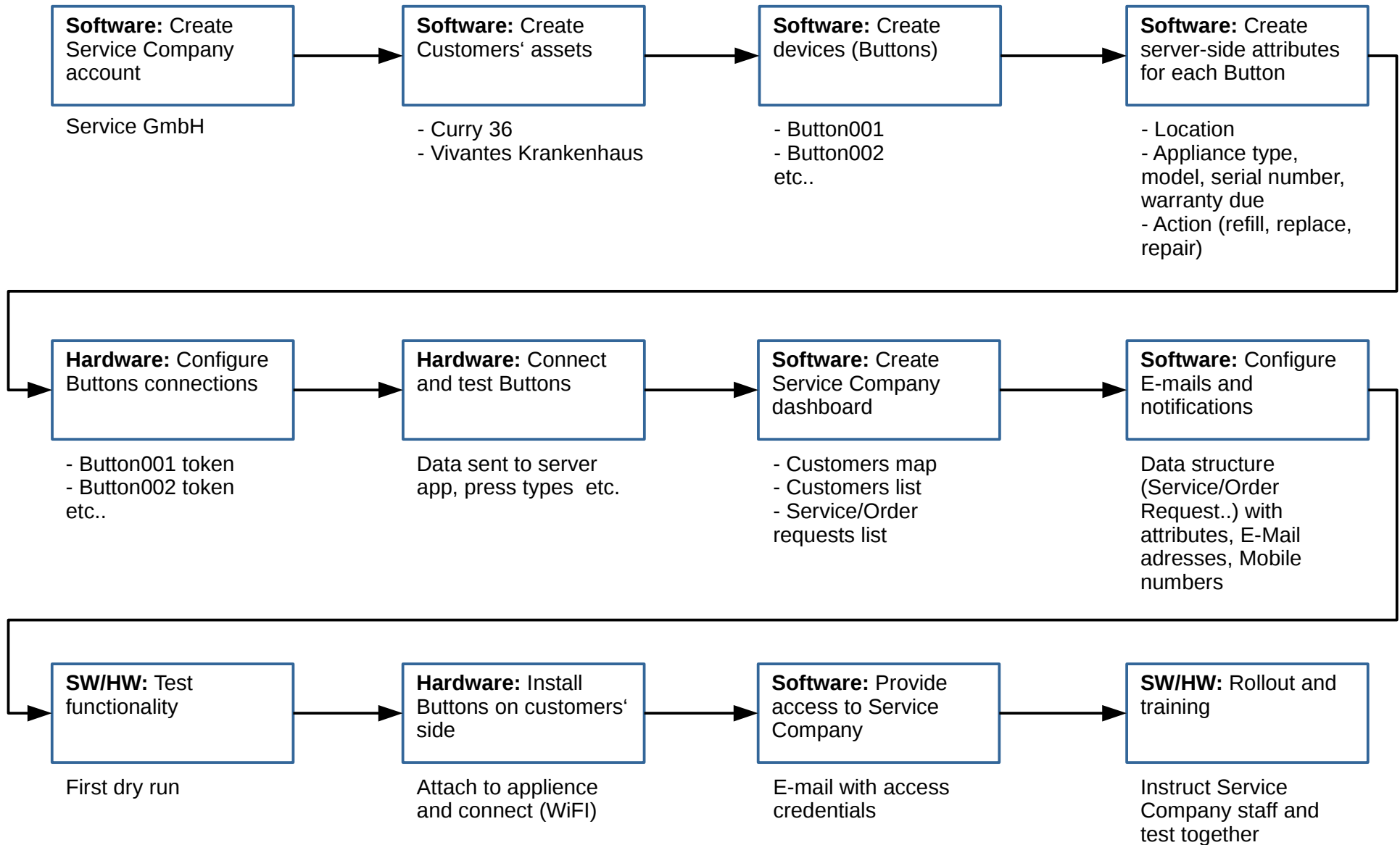
# Service/Order Request – Example E-Mail



# Service/Order Request – Example Messenger



# Button – Installation/Customization Workflow



# Button – Technology

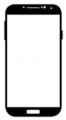
## Hardware



## Cloud Software



## Client Interface



### 1) AWS IoT Buttons:

- ready to use
- easy configuration
- 20\$ hardware
- WiFi only
- AWS IoT account
- ca. 0.2 \$ p. Button p. month

### 2) Own Buttons:

- Hardware design required (specs!)
- WiFi ready / GSM, LoRa possible
- 1\$ p. Button p. month for GSM

### Own cloud server:

- runs Software (backend/frontend)
- runs Database
- ca. 20\$ p. Month (all customers)
- for AWS IoT Buttons additionally AWS IoT service required

### Service App:

- dashboards (overviews)
- tickets system (different levels)
- historical data

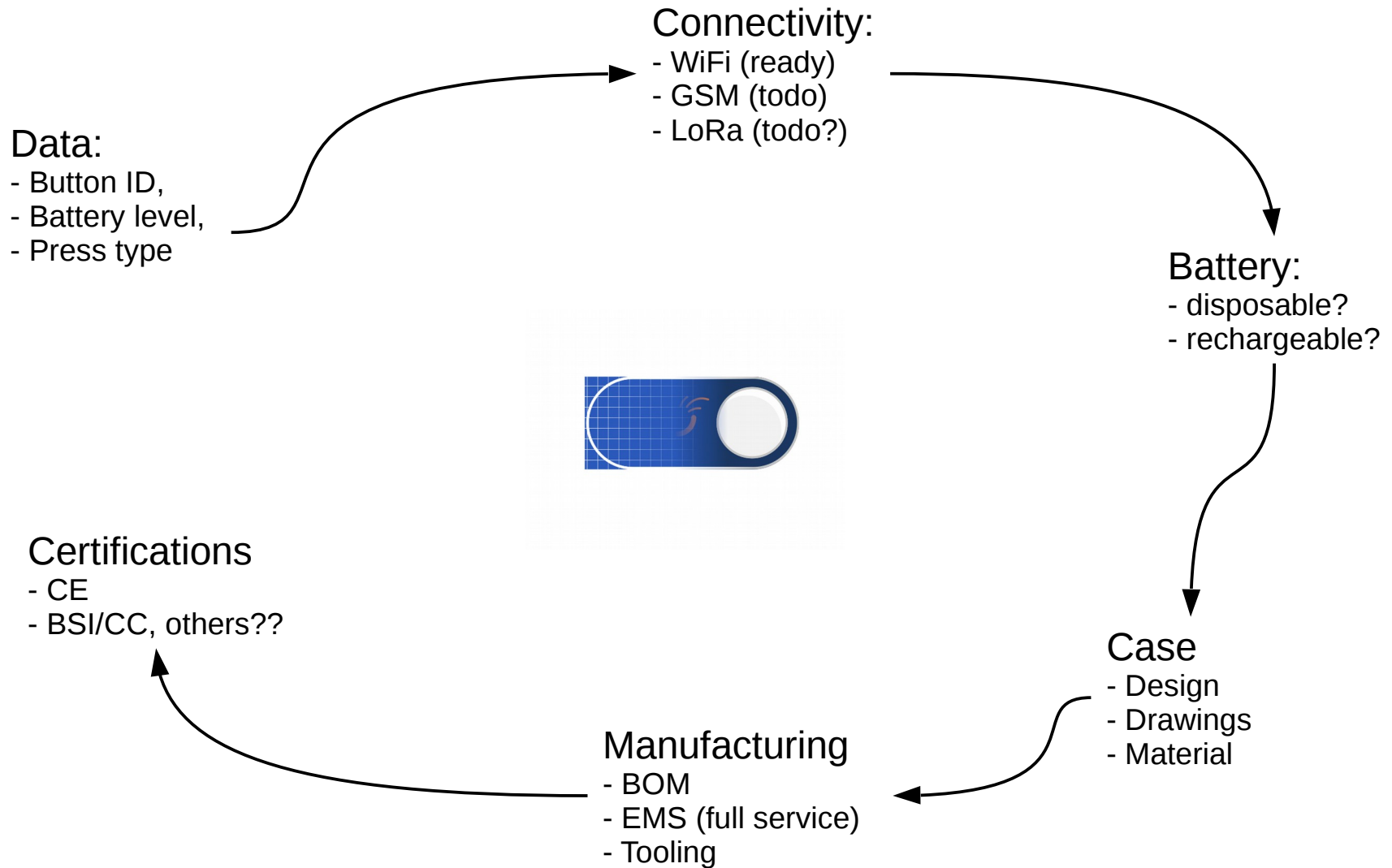
### E-Mail:

- mail notifications on service/order Request (all necessary info)

### Messenger/SMS:

- mobile notifications on service/Order requests

# Button – Own Hardware





# Button – Own Software: GlueLogics

GlueLogics

([www.gluelogics.com](http://www.gluelogics.com)):

- based on open source IoT platform „ThingsBoard“
- Multi-tenant
- Cloud or on-premise deployable
- APIs for external services
- Persistence layer for data (integrated or external DB)
- Internal data pre-processing
- Customizable frontend (dashboards/maps)
- Java, JavaScript, HTML, CSS

