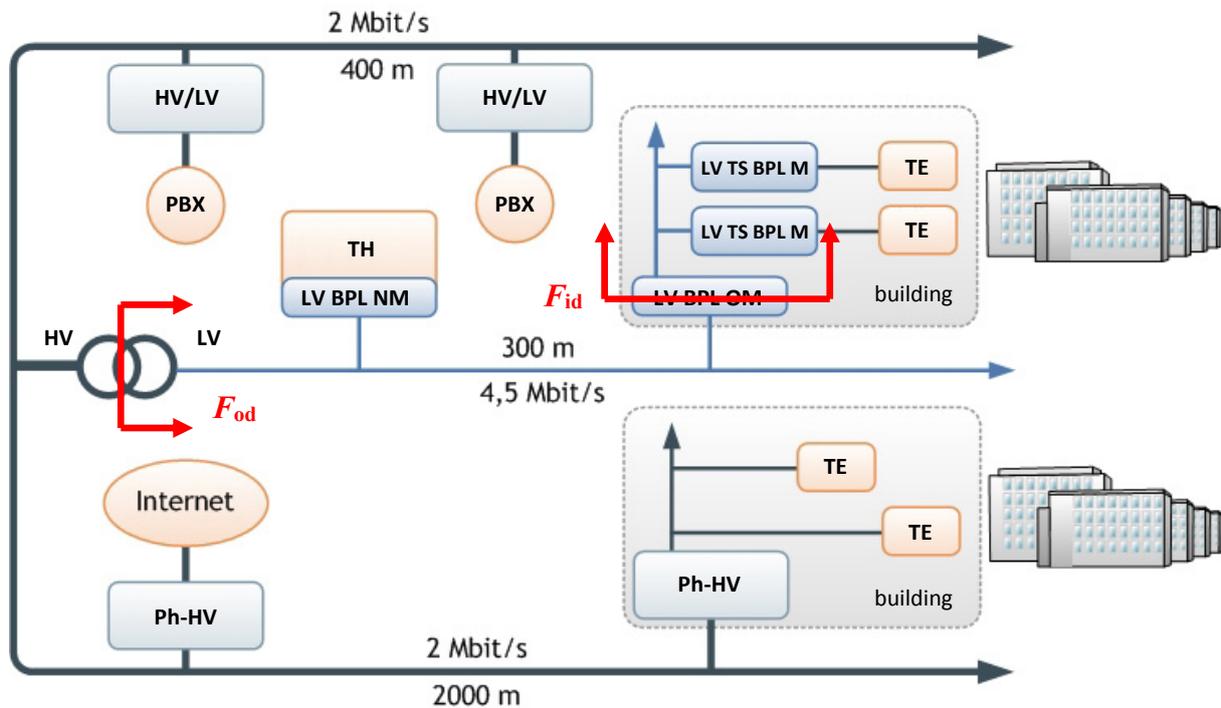


1. BPL topology. In the following figure, please, mark the occurrence of the following frequencies: F_{od} (Out Door) and F_{id} (In Door)



- HV/LV** High-voltage transformer connected to the high voltage side of the transformer is launched to the BPL modem for telecommunication device
- PBX** Private Branch Exchange
- TH** Telecommunication headquarters
- LV BPL NM** Low-Voltage BPL Network Modem
- LV BPL OM** Low-Voltage BPL Object Modem
- LV TS BPL M** Low-Voltage Terminal Subscriber BPL Modem
- Ph-HV** High-voltage device connected to one phase of high voltage, launched to BPL modem for telecommunication device
- HV** High Voltage
- LV** Low Voltage
- TE** Terminal Equipment

2. Modulation methods in BPL. Please, label particular modulation techniques shown in the figure. Put a tick symbol next to those modulations that are currently used in the PLC devices.

