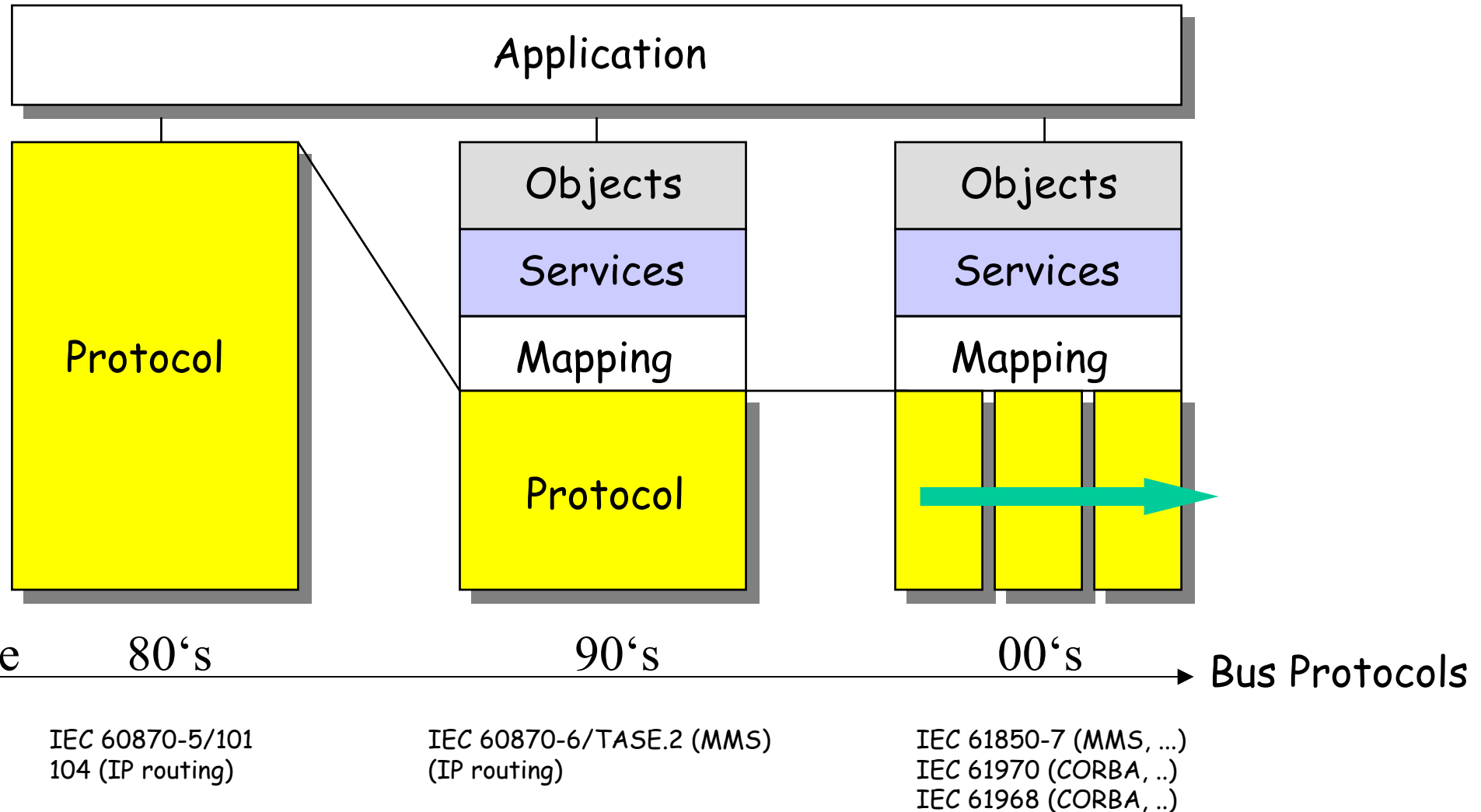


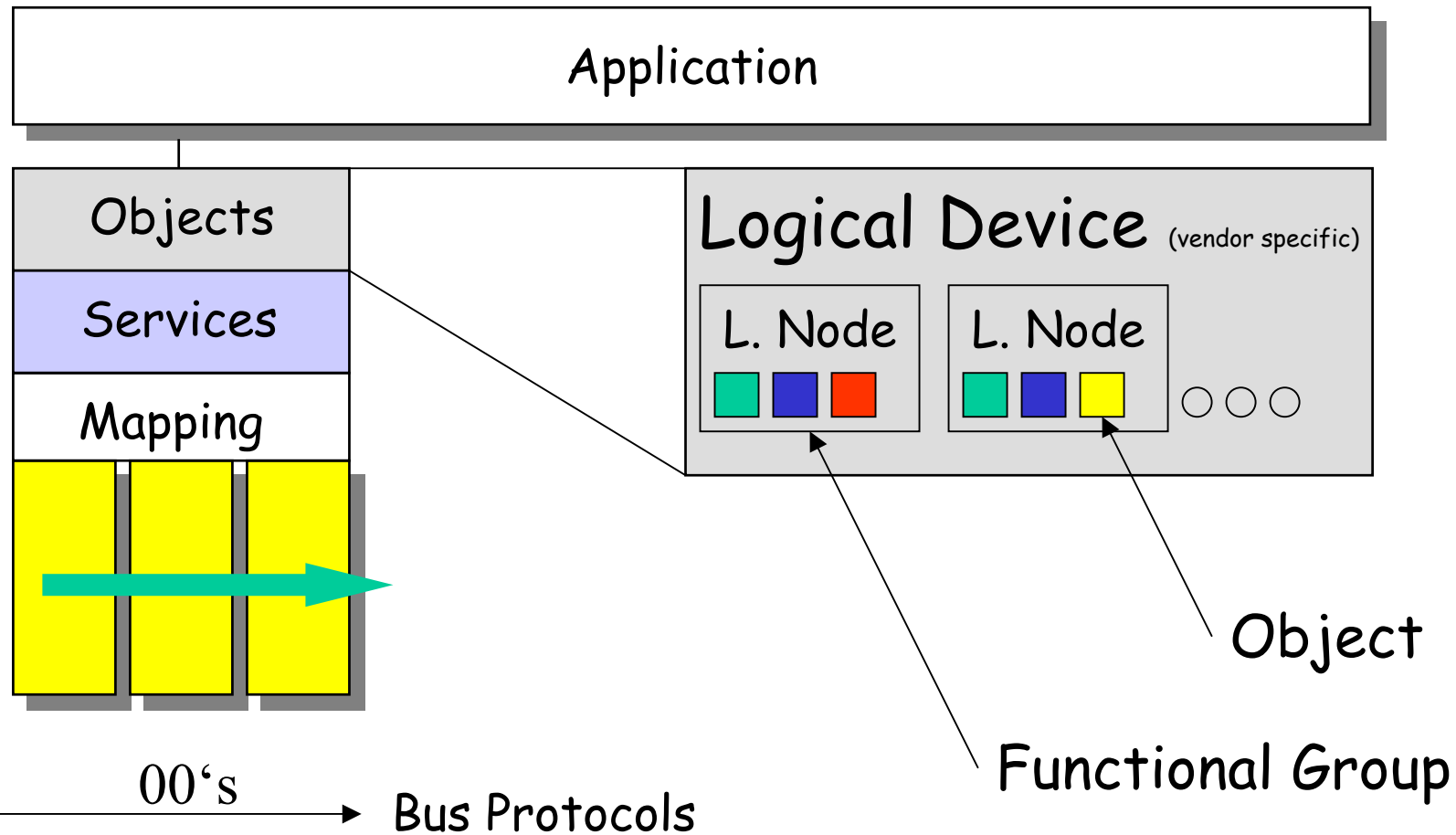
Seamless Communication Architecture sTCA

(using 61850 for SS and telecontrol SS-CC)

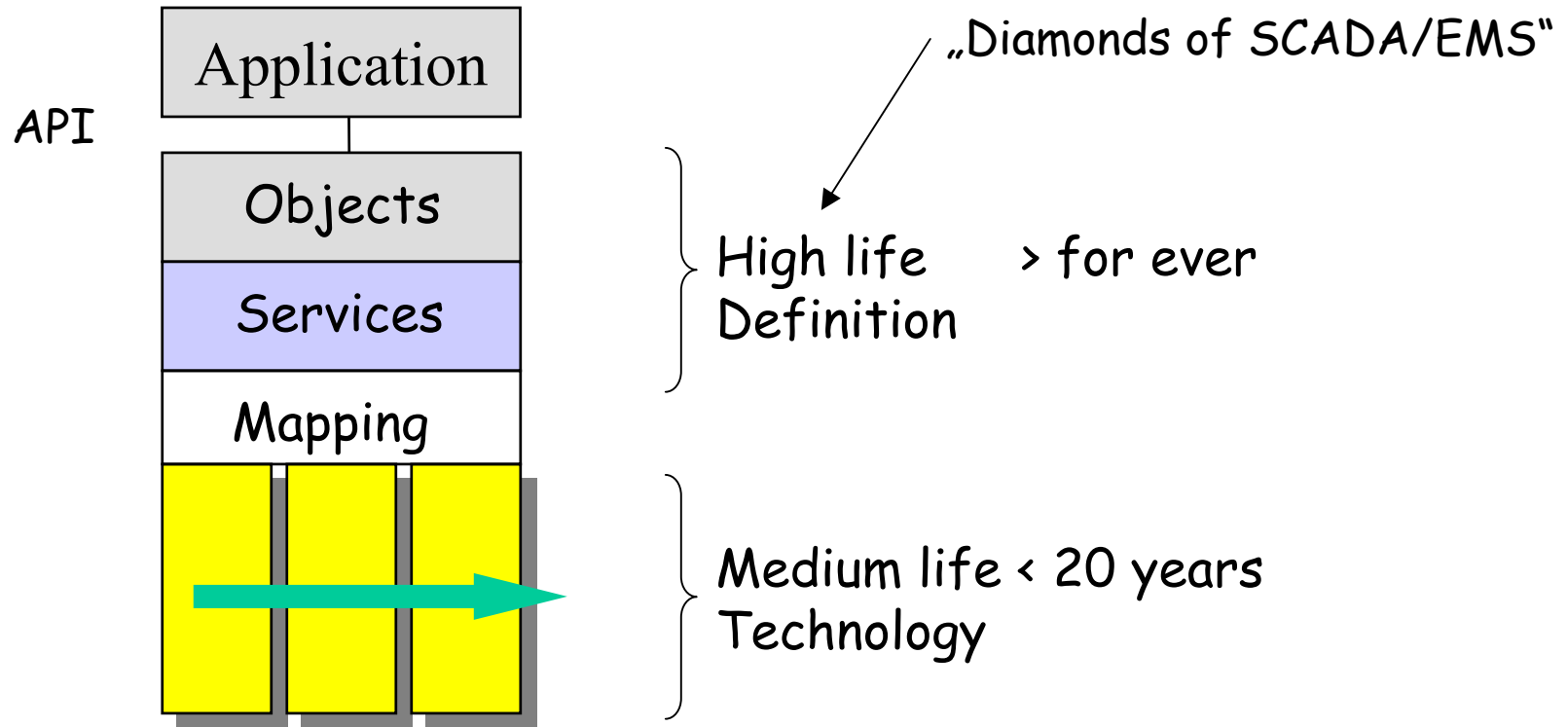
Evolving of Communication Architectures



Object Modelling of IEDs in Substation



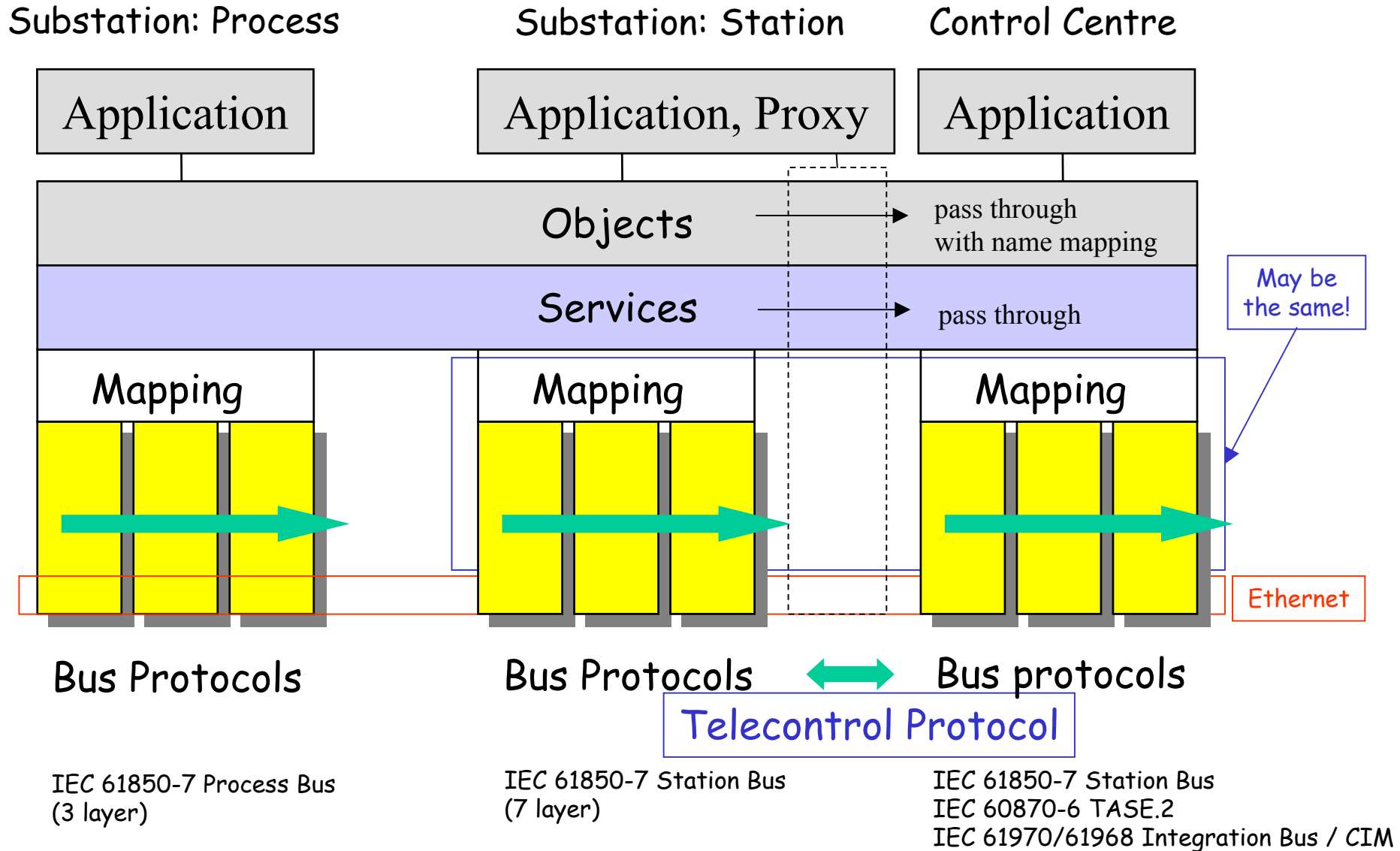
Seamless Communication Architecture (1)



Telecontrol & Bus Protocols

IEC 60870-6 TASE.2 (MMS, ...) over IP
IEC 61850-7 Substation Bus (MMS, ...)
IEC 61970 Integration Bus (CORBA, ..)
IEC 61968 Integration Bus (CORBA, ..)

Seamless Communication Architecture (2)



Seamless Communication Architecture - sTCA

