



November 6th - 8th, 2013 Hotel Panamericano – City of Buenos Aires, Argentina

“URBAN MOBILITY, ROADS NETWORK OPERATION AND ITS APPLICATIONS”

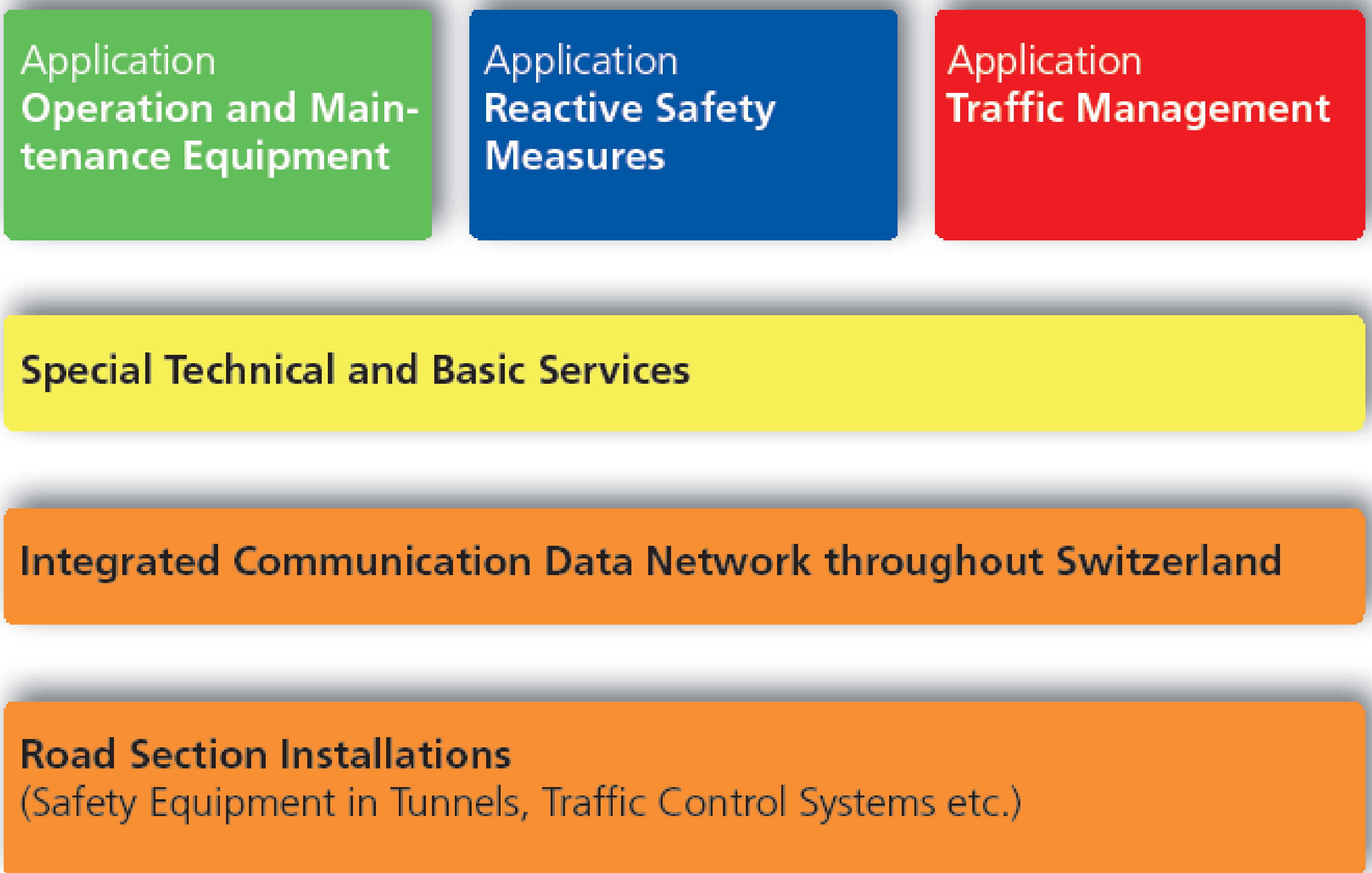
SYSTEM ARCHITECTURE FOR THE FUTURE

Heinz Suter, FEDRO, Switzerland

A national architecture aiming to integrate, operate and control all IT systems required for a safe and efficient road operation, distributed to the appropriate bodies responsible for traffic management, road operation and safety.

What We Did

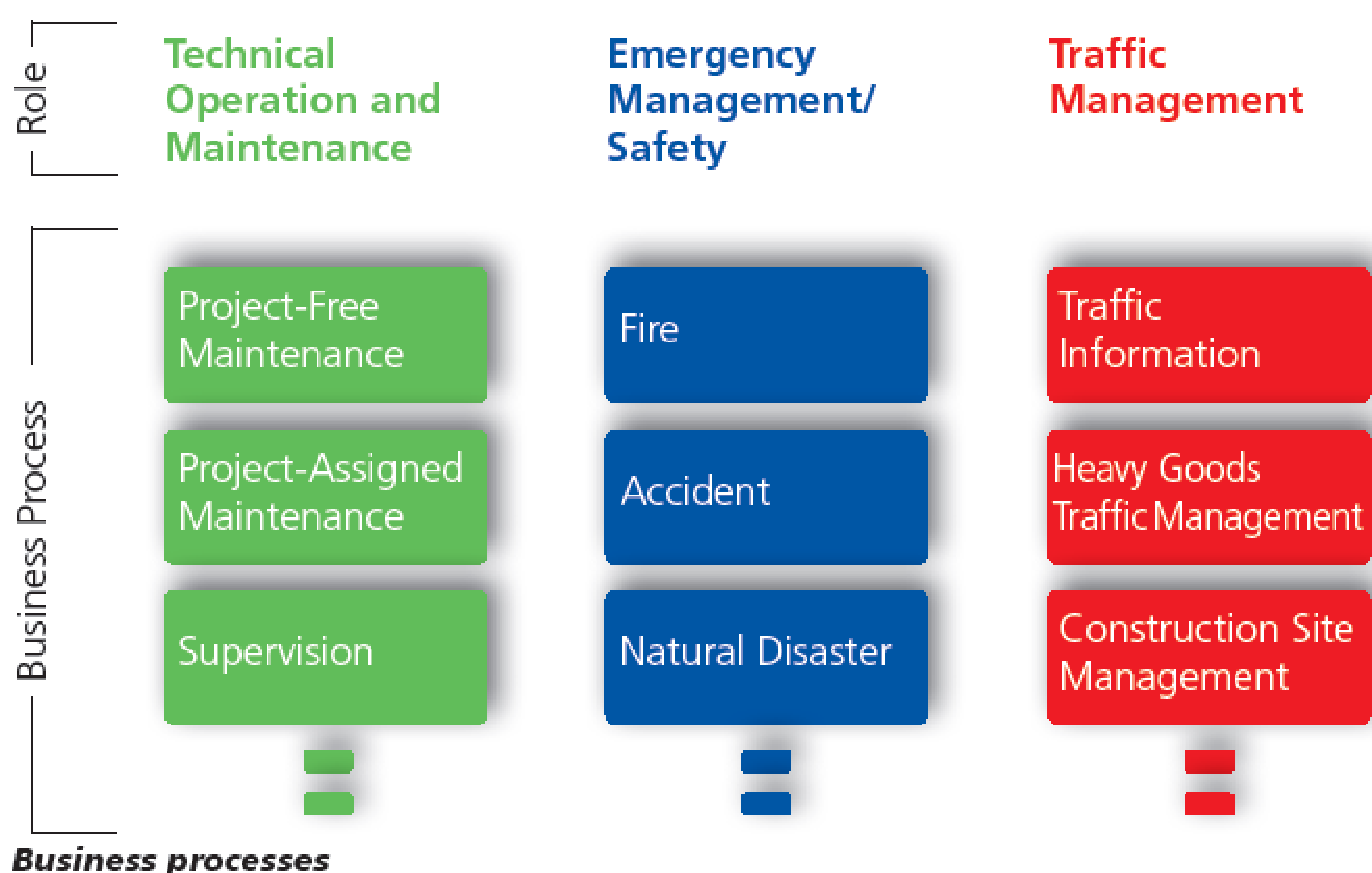
- Analysis and modelling of relevant business processes with all involved partners
- Development of the system architecture in order to support the business processes, to be in line with current technical requirements, and to be ready for future challenges
- Verification of several architecture elements with pilot projects ("proof of concept"), in order to gather further insight for quality control purposes and successful migration of equipment for road operation and safety



General structure of the new system architecture

Lessons Learnt

- Potential savings are possible through standardised equipment, higher level of centralization and reusability of developed solutions and services
- The process of migration e.g. for tunnel safety equipment has to ensure parallel operation of current and new equipment
- The integrated system architecture offers customised and expandable functionalities for the different bodies responsible for traffic management, road operation and safety, now and for the future



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