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Development Plan for Baku Metropolitan, Azerbaijan – Systra Future Baku Metropolitan Network
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1. Determination of the Plan for Baku Metropolitan Extension

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1 Determination of Baku Metropolitan Extension Plan

1.1 General assessment process



Phase A of the Project: determination of long term planning and implementation program for extension of Baku Rapid Mass Transit System - Baku Metropolitan Extension Plan (close co-operation with Baku authorities):

- Assessment of socio-economic data and urban development concerning Baku:
 - Urban development plans of Baku City
 - · Economic development plans
- Evaluation of different previous studies of Baku development and trends
 - •JICA study (2000), ROM study (2008)
- Determination of characteristics of transport development in Baku:
 - · Flow generators
 - · Land use
- Public Surveys to determine the origin and the destination of the people travelling in public transport

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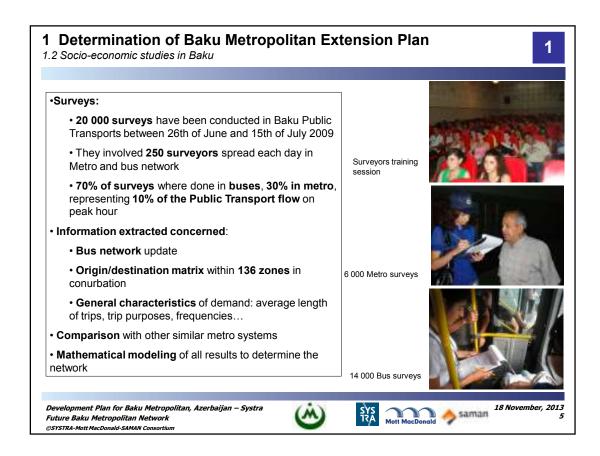


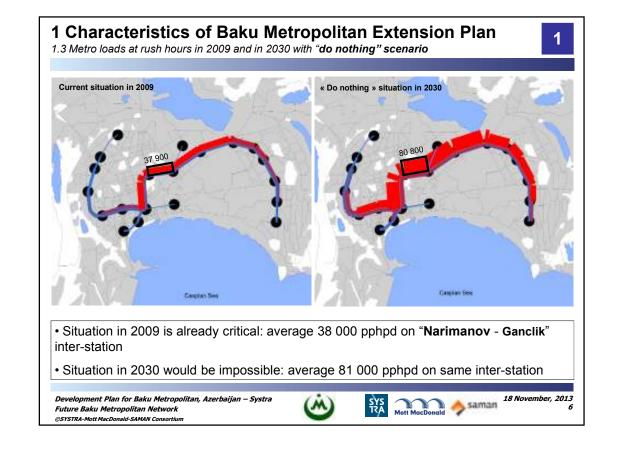


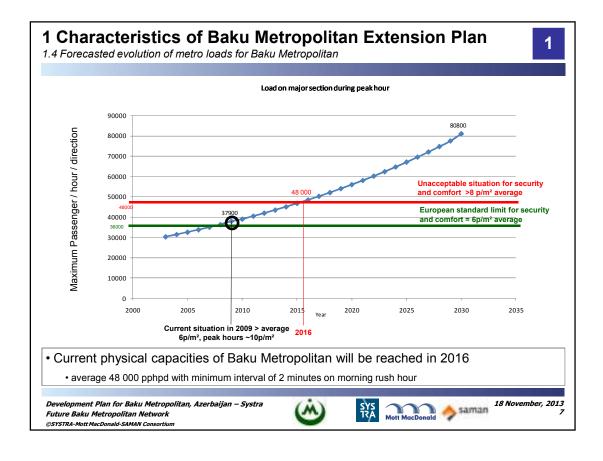


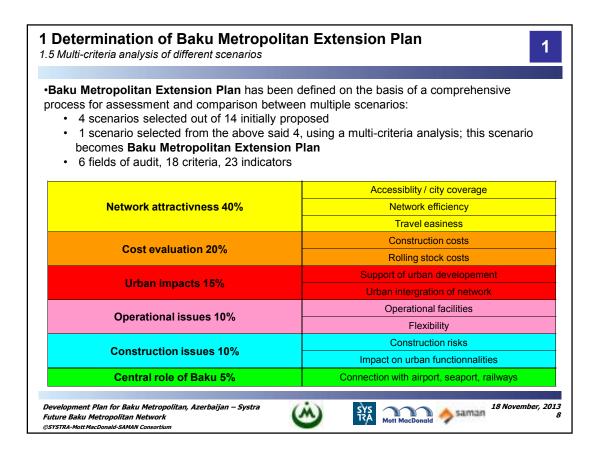


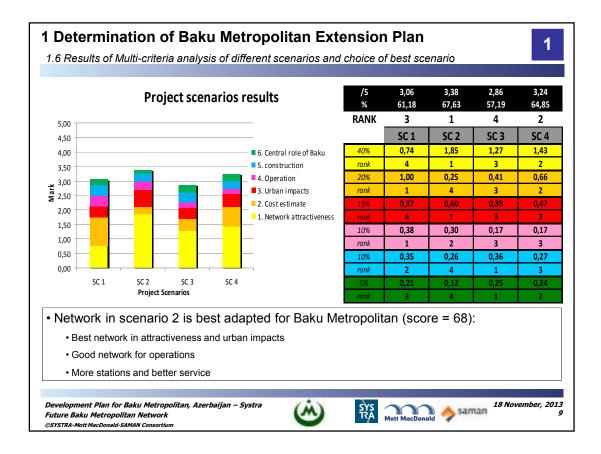
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2. General Presentation of Baku Metropolitan Extension Plan

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2 General Presentation of Baku Metropolitan Extension Plan

2.1 Baku Metropolitan Extension Plan – general characteristics

Existing network in 2010:

• 34.7 km 23 stations

• Global interstation = 1.65 km

New built network:

• 84.3 km 53 stations

Proposed network 2030:

 119 km 76 stations

• Global interstation = 1.68 km

Key issues:

- Best population and territory cover (more stations and lines)
- Each line interchanges all other lines: + 42% interchange stations

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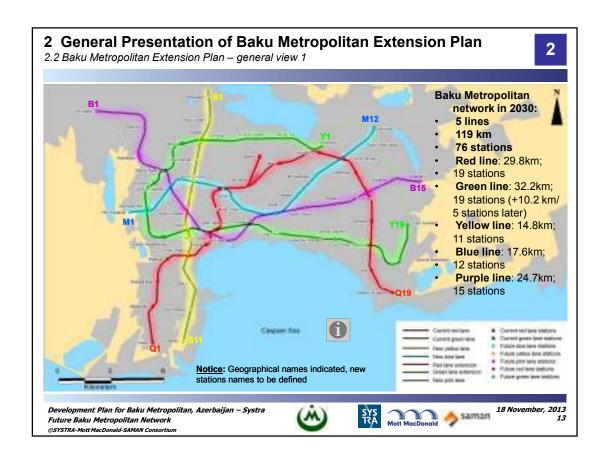


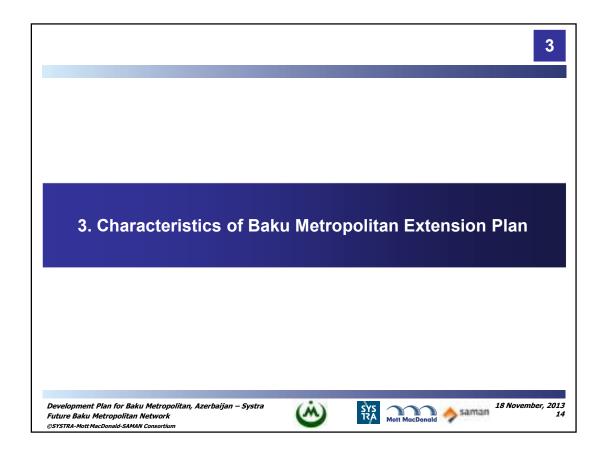


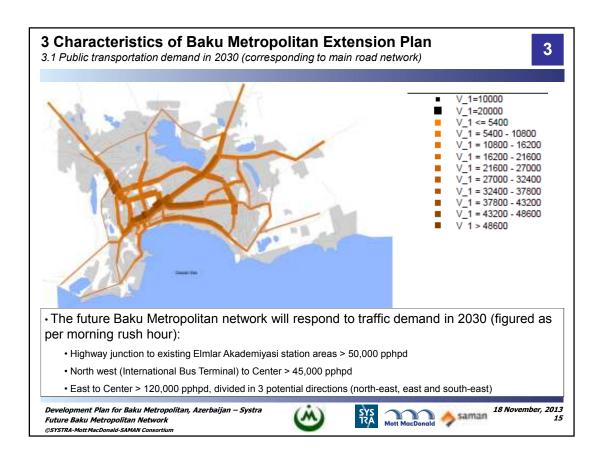


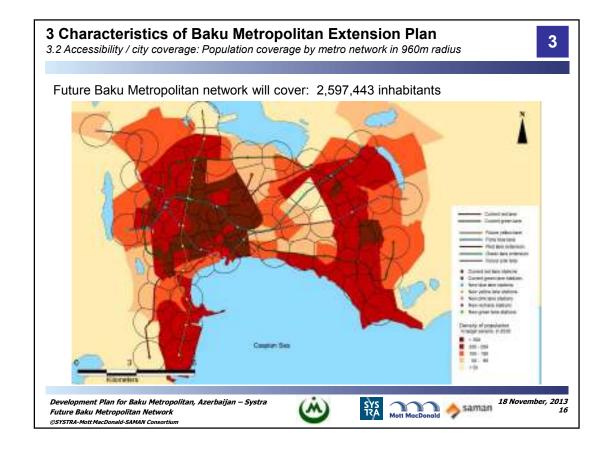


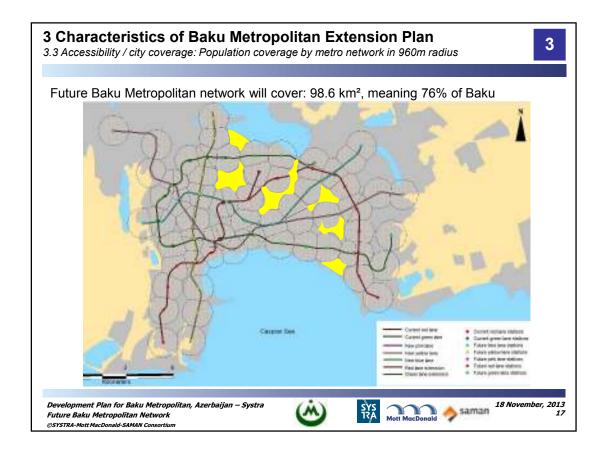
2 General Presentation of Baku Metropolitan Extension Plan 2.1 Situation at end of year 2010 **Baku Metropolitan** network in 2010: 2 lines 34.7km (32.9km in operation) 22 stations in operation (1 station under construction) Red line: 18.4km; 13 stations Green line: 14.3km; 9 stations Notice: Geographical names indicated, new stations names to be defined Red and green depots ment Plan for Baku Metropolitan, Azerbaijan – Systra Future Baku Metropolitan Network

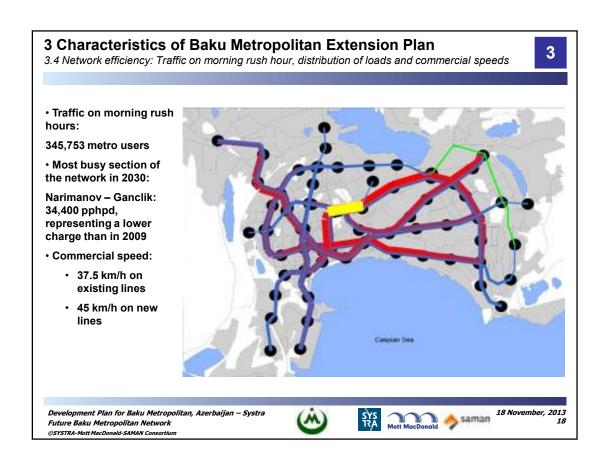


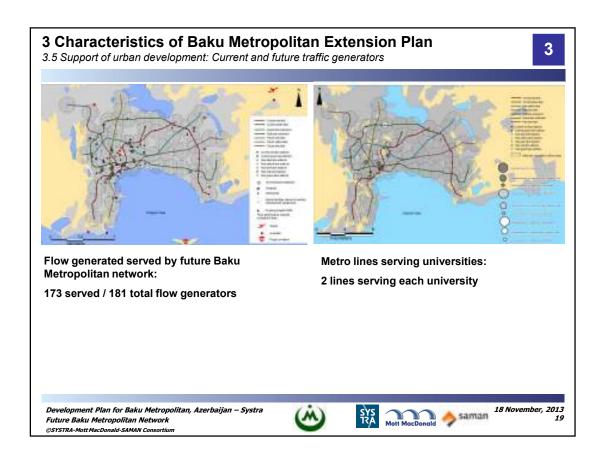


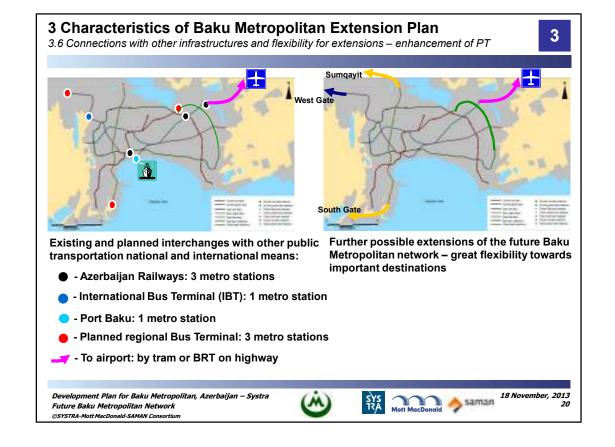












4. Estimation of Costs and Planning of Investments

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4 Estimation of Costs and Planning of Investments

4.1 Global estimation for capital costs: infrastructures and rolling stock

Important figures (to be defined during following designing stages):

- Future Baku Metropolitan extensions will comprise:
 - •3 new lines,
 - •extensions of the 2 existing lines,
 - •53 stations and 84km
- Investment costs for new lines and extensions of existing lines are estimated at:
 - 5,449 M€,
 - meaning ~ 64.7 M€ per km
- · Rolling stock procurement costs are estimated at 1,148 M€



The network will be operated with:

178 trains (890 cars) in total (including the existing ones, already in operation), out of which 137 (685 cars) new trains -104 new trains (520 cars) on new lines and 33 new trains (165 cars) of «existing type» on existing lines extended

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