

# What is AMS-IX

- The Amsterdam Internet Exchange
- Located in 4 locations in Amsterdam the Netherlands
- You can connect to any of these 4 locations with either
  - 10BaseT, FastEthernet or Gigabit Ethernet.
  - Soon to be extended by:
    - trunked (802.1q) x\*1GE connections
    - 10 GE
- Currently around 170 customers connected
- Shipping in the order of 16.5 Gbit/s peak

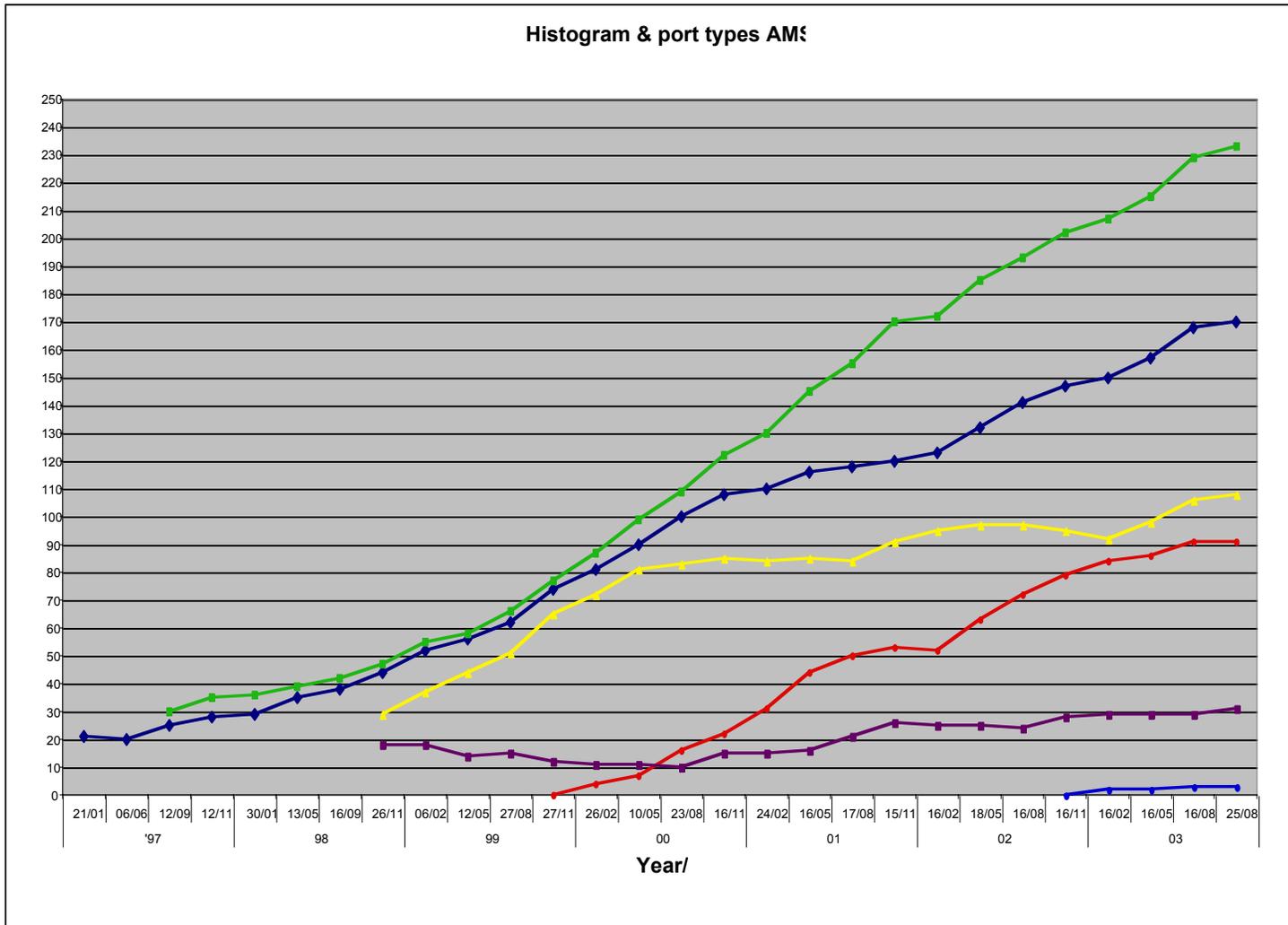
# AMS-IX main VLAN services

- Internet Peering VLAN
  - Main service
  - Interconnection of ISPs. Hosting providers etc.
  - Only requirement to connect is to have an AS number.
- GRX VLAN
  - Interconnection of GRX (GPRS roaming exchange providers)
  - Currently the only one in the world
  - You can only connect if you signed the GRX MOU
    - This is an MOU between the GRX carriers themselves
- MDX VLAN
  - VLAN dedicated to the Interconnection of Mobile Data providers
  - Mainly MMS traffic.

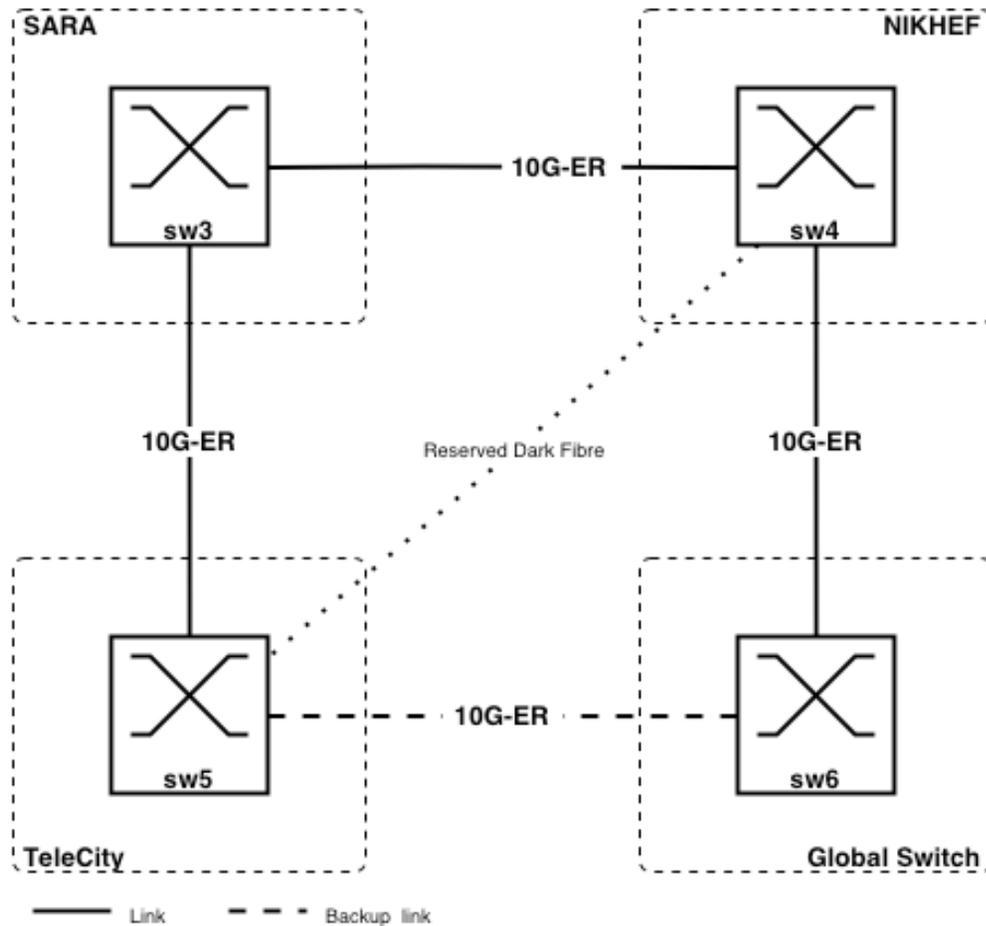
# AMS-IX other services

- Closed user groups
  - Any group of three or more AMS-IX members can request a dedicated VLAN for a common purpose.
- VLAN based private interconnect
  - Essentially a CUG for two parties.
- Hosting of secondary CC TLD servers

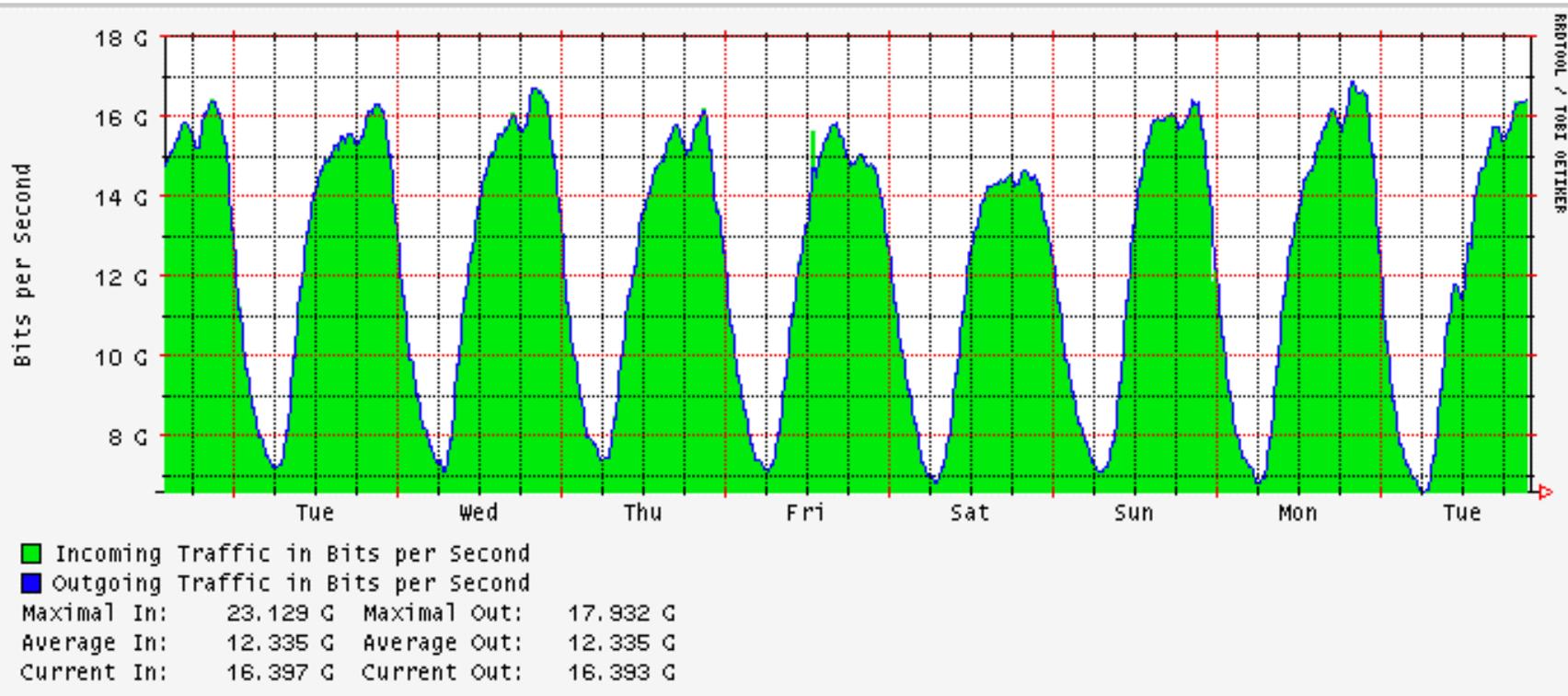
## AMS-IX through the years



## Current Infrastructure



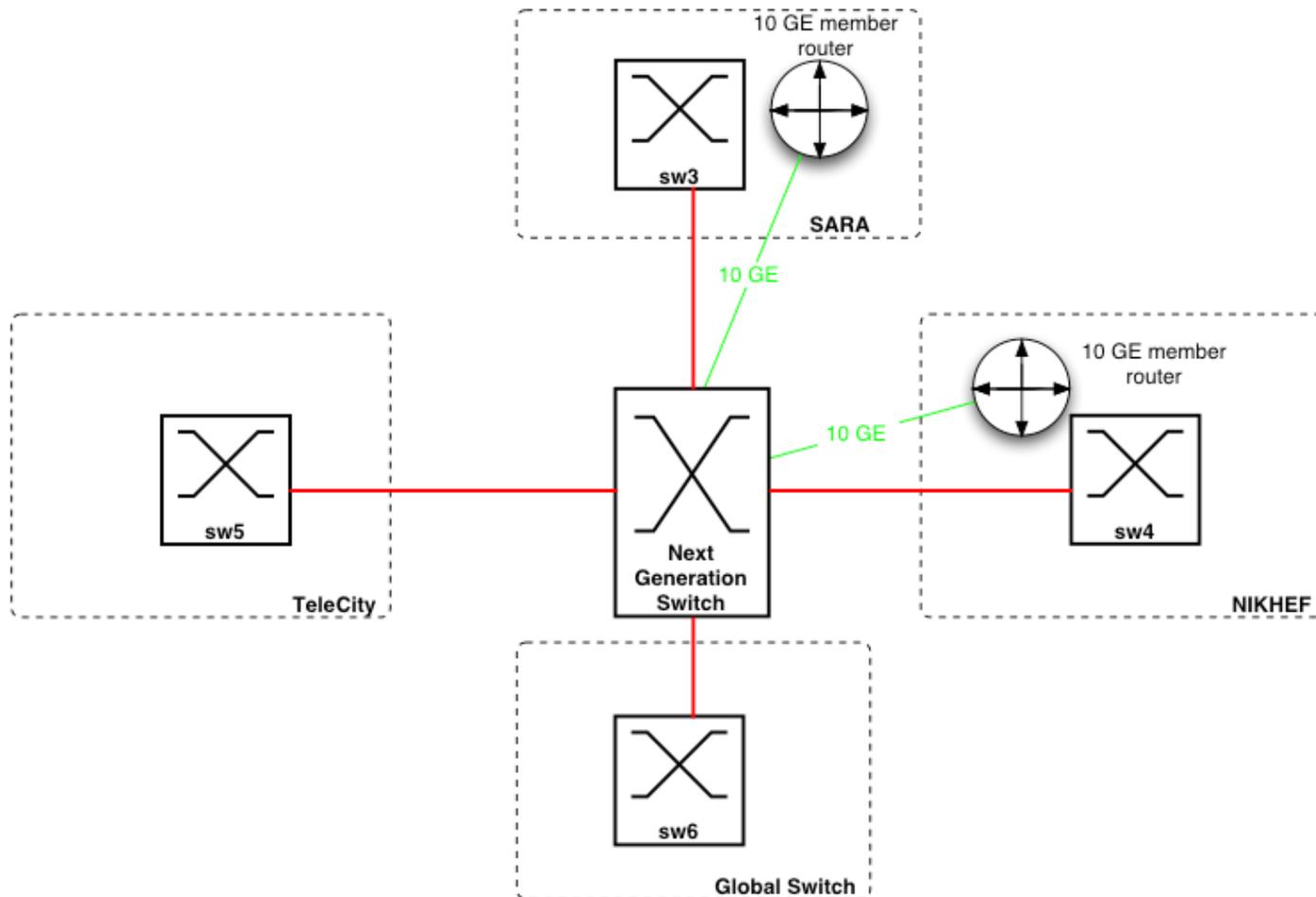
## Traffic Pattern



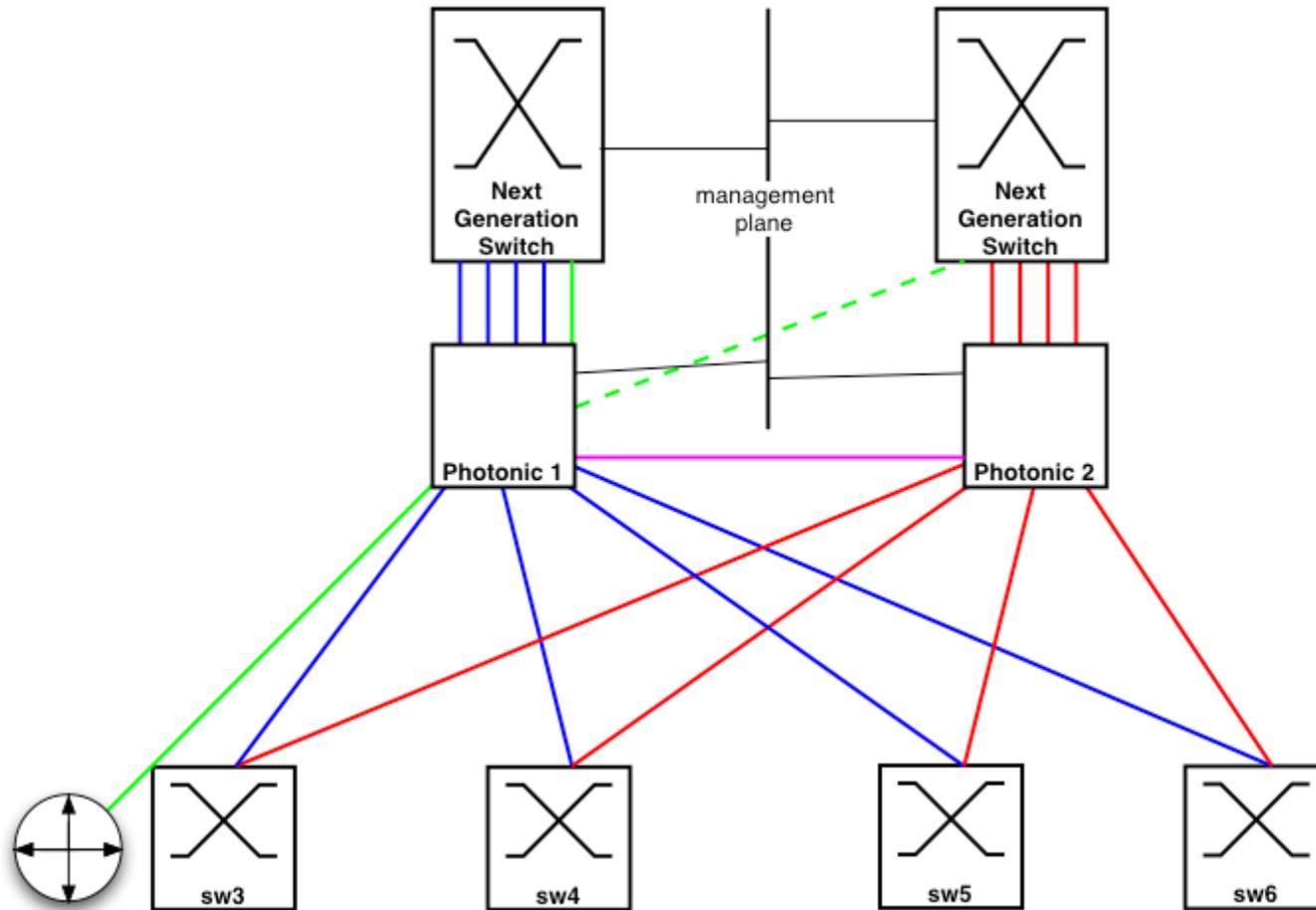
# AMS-IX progress

- We are currently renumbering all AMS-IX connections to a larger address space
  - /24 to /23
- In the next coming months we will migrate to a next generation platform
  - This will be star based instead of a circle allowing for better scalability and stability
  - This will allow us to offer trunked x\*1 GE and 10 GE connections.

## New Topology Logical



## New Topology



# AMS-IX tech meeting

- The AMS-IX tech meeting will be held on September 24 in the morning.
  - Much more information on the migration and new topology will be provided there.
- September 24 in the afternoon a general meeting will be held including the elections of new board members.