

# Frankfurt Airport - July 2004



Runway 25R/07L

# Project Details



- Started in April 2003 – 4000 metre runway, 61 m wide
- Each night they replace 15 m length by full runway width.
- Completed over 300 nights
- 600 mm asphalt layer on the compacted gravel and sand runway foundation with conduits imbedded in the mat
- First 240 mm in one lift to accommodate 200 mm conduits
- Low temperature asphalt with Sasobit in the beginning
- Later Shell bitumen with a paraffin wax



# Project Details



- Started at 11:30 each night
- Temperature of asphalt at top of pavement not allowed to be higher than 85°C at 06:30 hours in the morning
- When 150 to 200 metres constructed (longitudinally) they milled off 40 mm of top layer
- Then new SMA surface layer 0/11 with PmB 45 – SBS modified
- Total project is € 38 million (\$ 62 million Can).
- Each night was about € 120,000 (\$ 192,000 Can).





















# Warm Asphalt











*Thank you*