



The Pursuit of Reliable Data

OSIsoft Asia Technology Conference 2007

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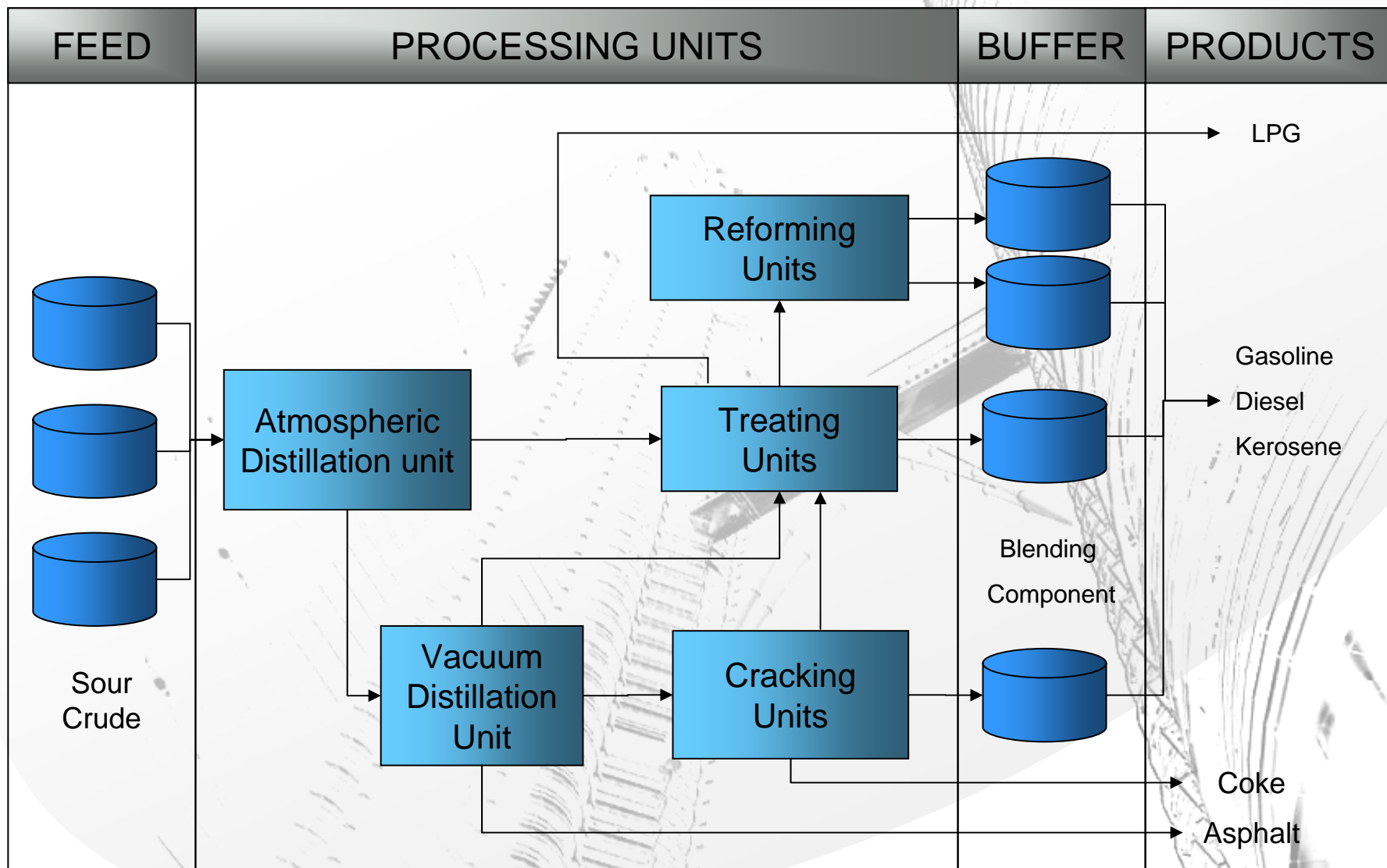
Prakash Kumar

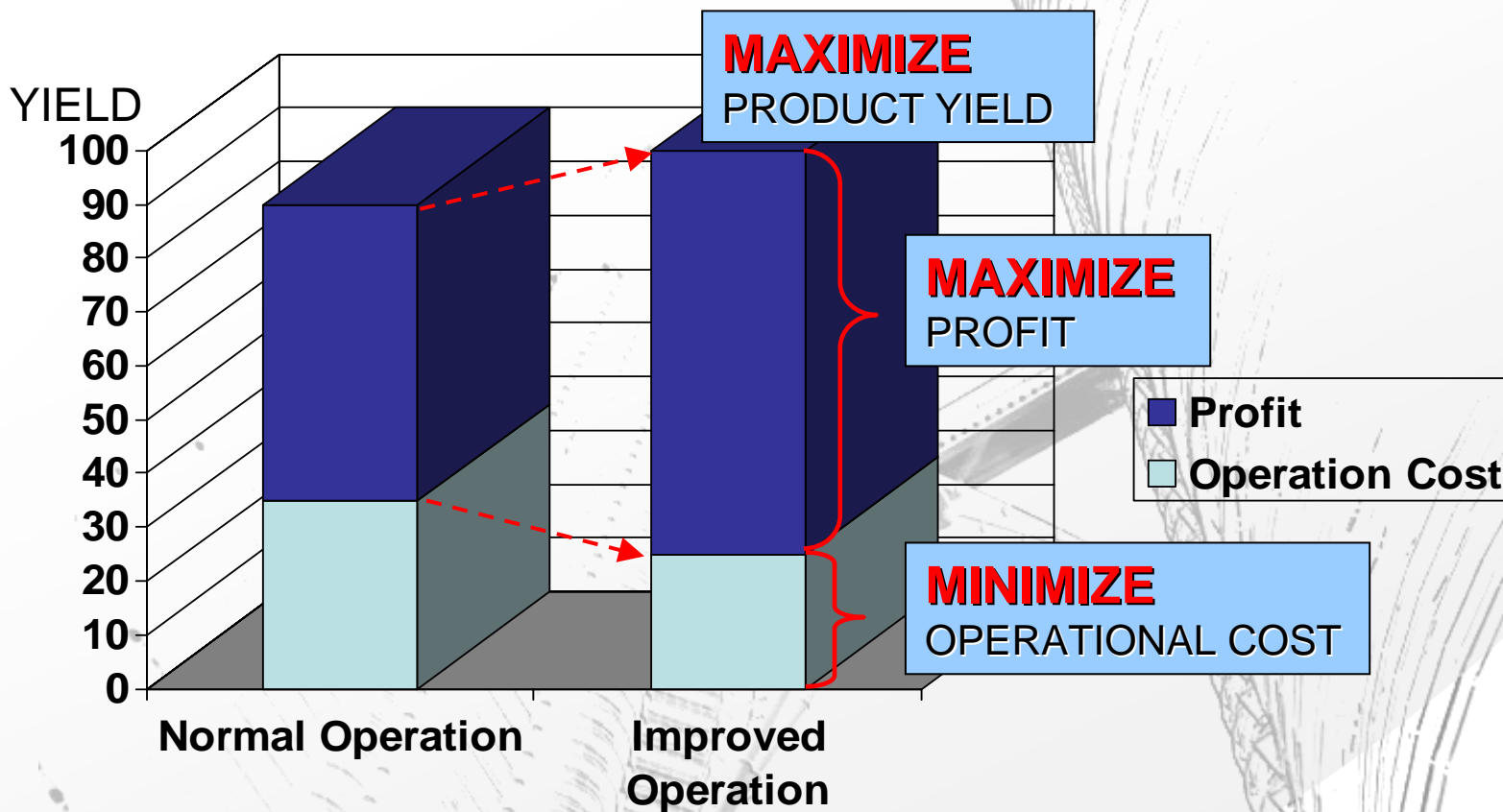
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- Introduction
- Our Aspiration
- Data Utilization
- Issues and Challenges
- PP(M)SB Way of Data Management
- Benefits
- Conclusion

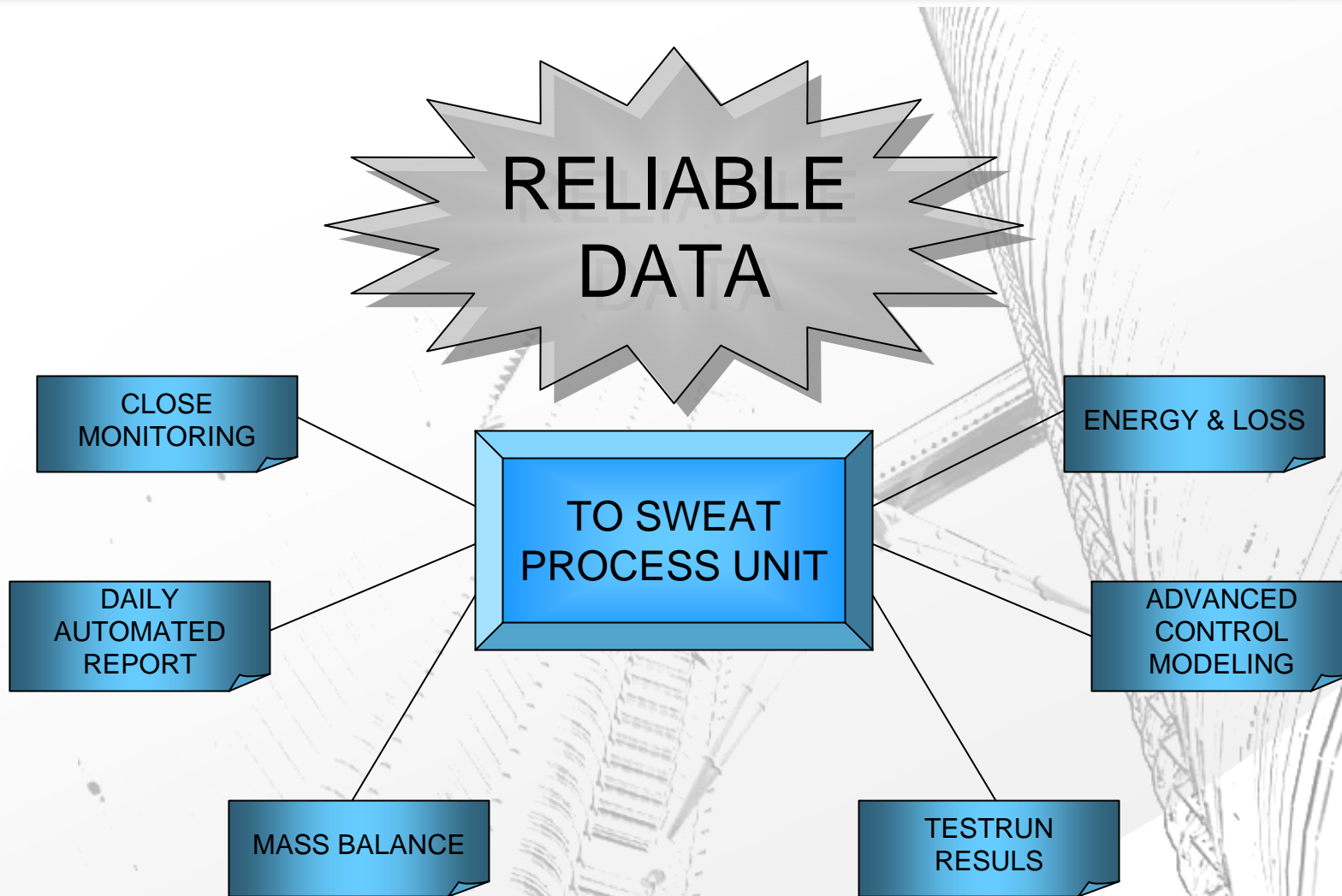
- PETRONAS Penapisan (Melaka) Sdn Bhd is a subsidiary of PETRONAS.
- Consist of 2 refineries:
 - PSR-1 (process 100MBD of sweet crude)
 - PSR-2 (process 135MBD of sour crude)
- Use Solomon Benchmarking to identify current ranking with peers:
 - PSR-1; 1st in the world (74 refineries)
 - PSR-2; 3rd in the world (74 refineries)

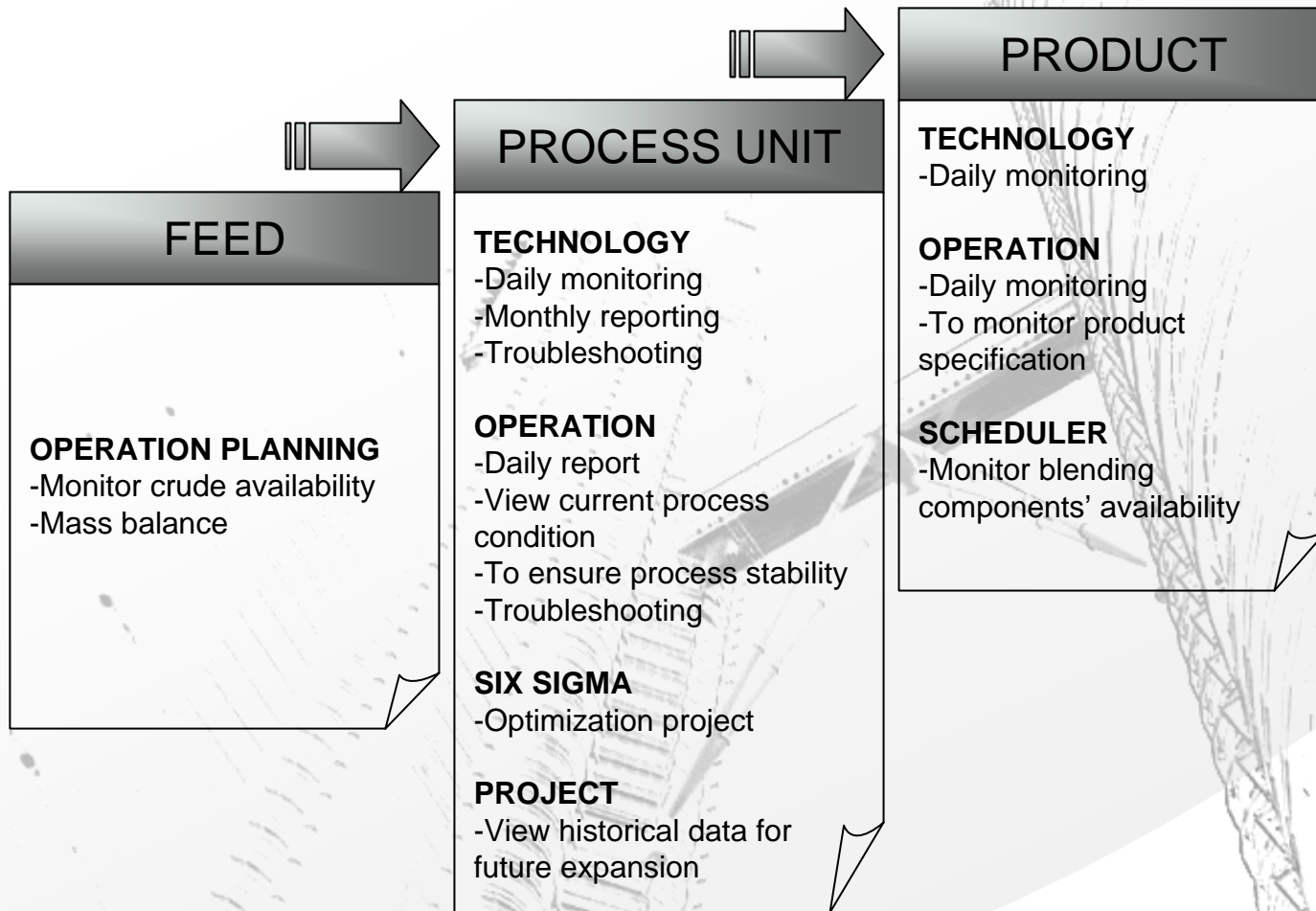
Refinery
utilization





PROFIT  = PRODUCT YIELD  - OPERATIONAL COST 

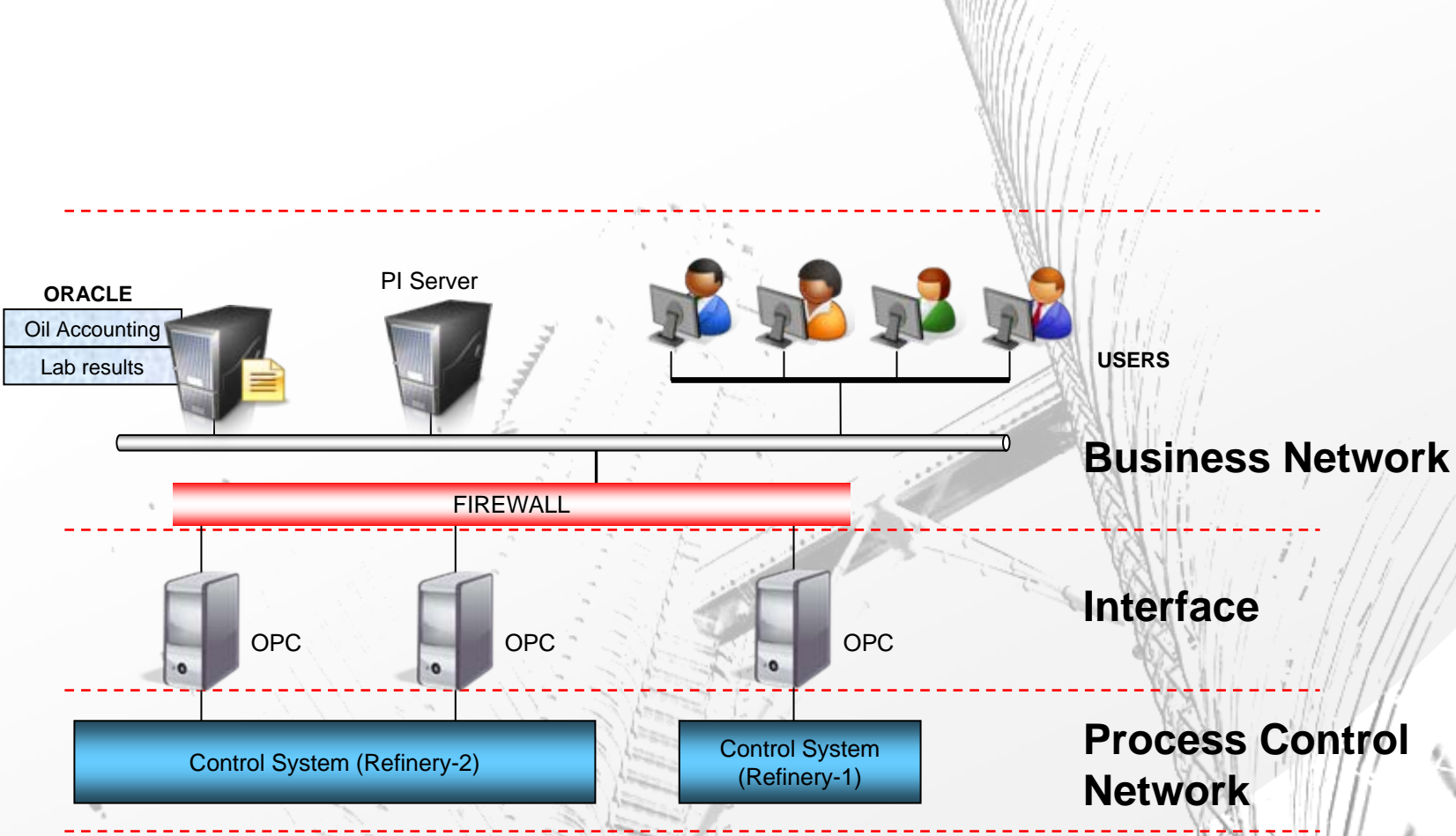






- Data availability at desktop
- Timeliness
- Easy access – anytime, anywhere
- High data processing speed

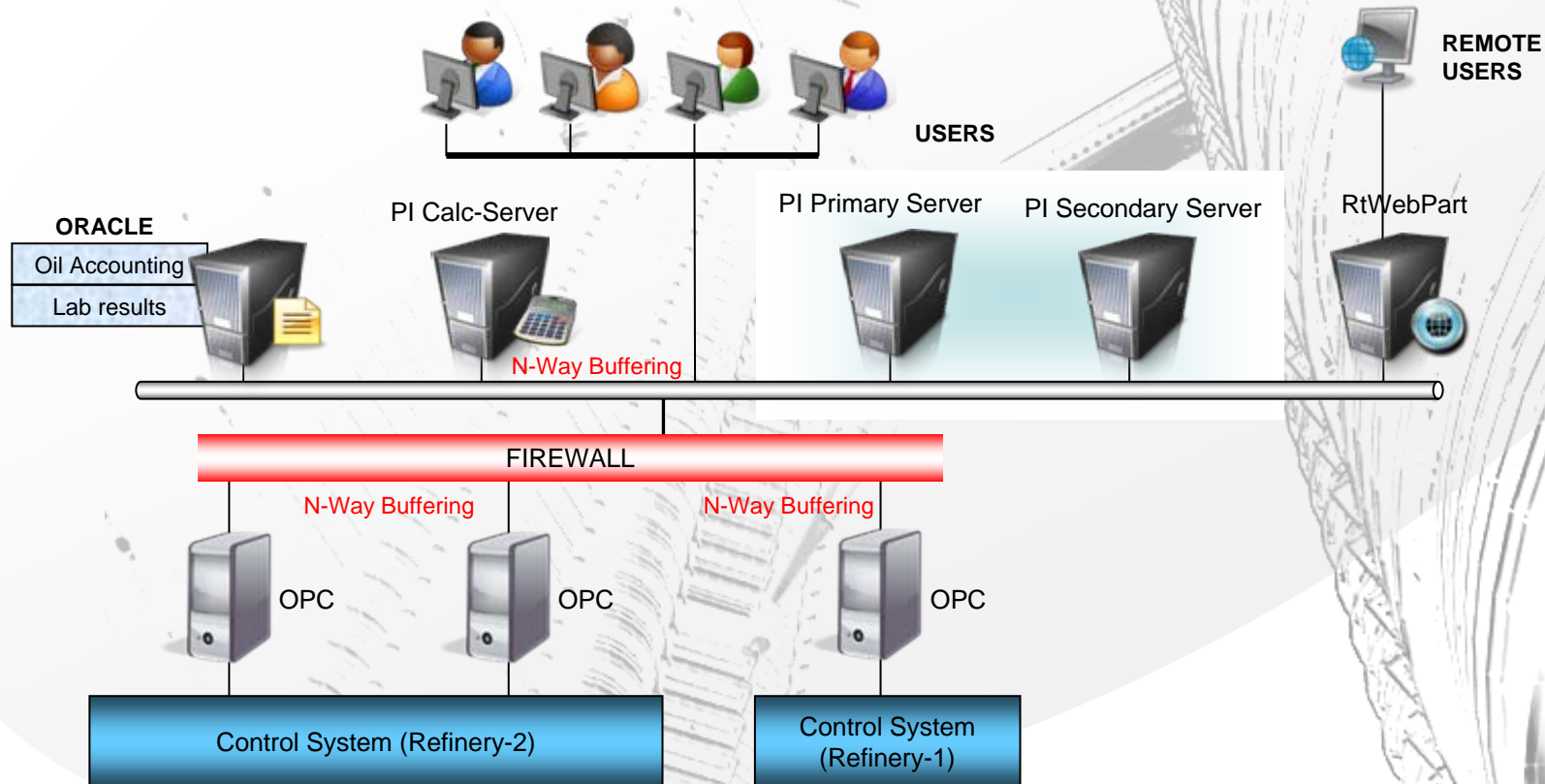
WHAT WE HAD YESTERDAY



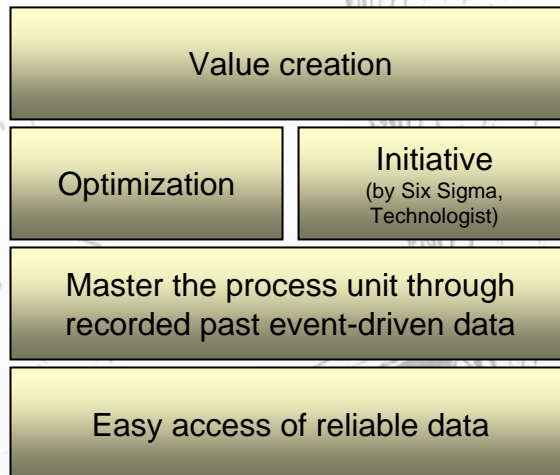
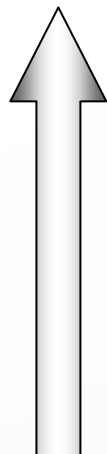
- **High Utilisation**
 - Greater appreciation of historical data
 - More users
- **High Server Loading**
 - More complex computations
 - More frequent computations
- **CAPEX Project support**
 - The need for remote access



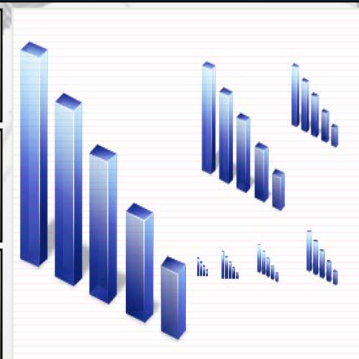
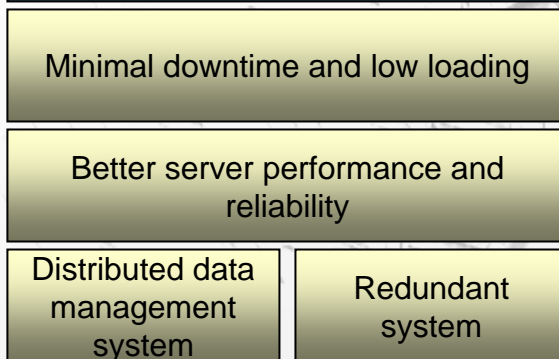
- ✓ Redundant system to overcome high downtime
- ✓ Hi-spec server to overcome high server loading
- ✓ Distributed Data Management System (DDMS) to handle complex computations
- ✓ RtWebPart in enabling remote access



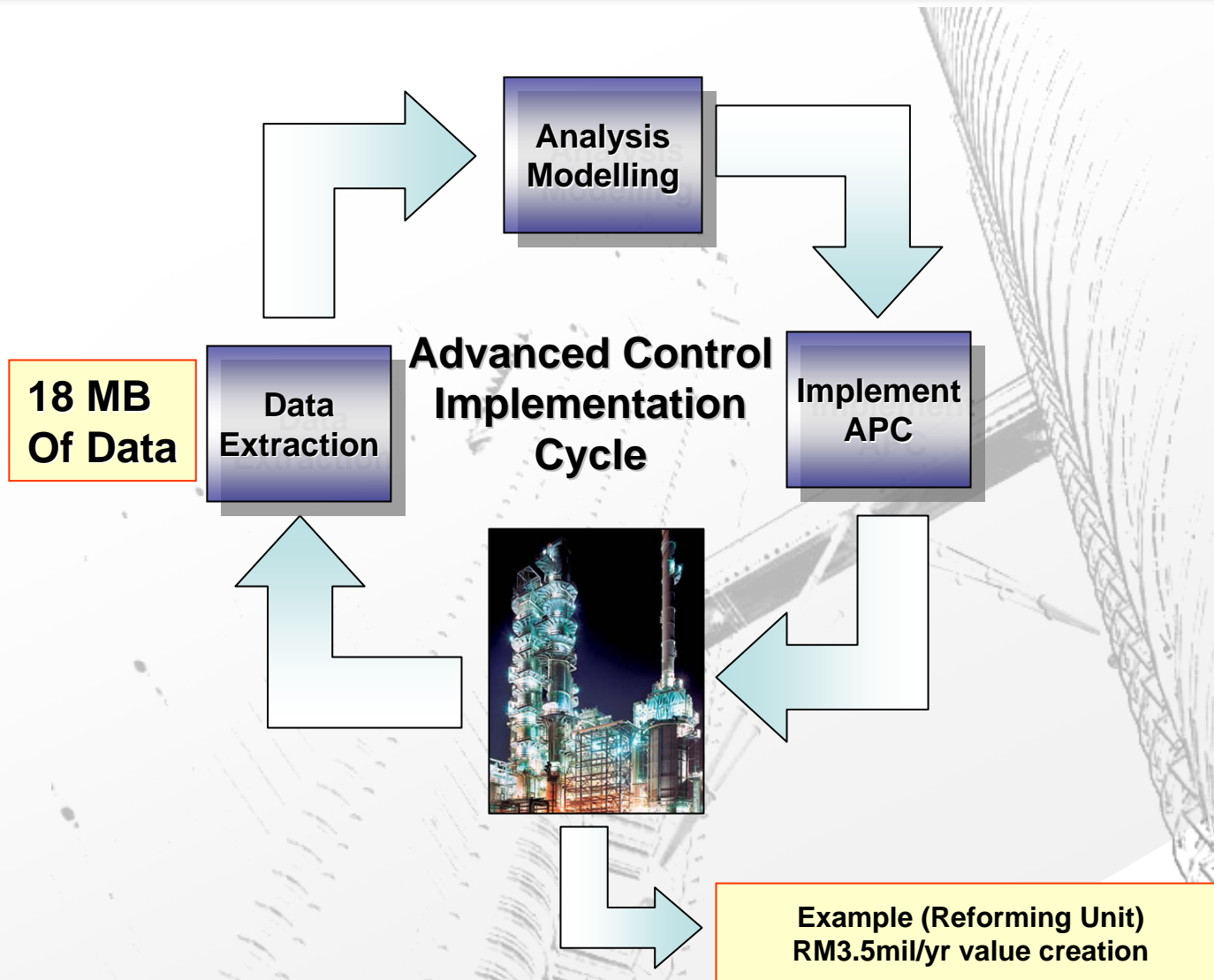
Increment on process capability



High Availability Data



Increment on system capability



- Data drives value creation.
- The key requirement for a data historian system is continuous data availability.



THANK YOU