



Cisco START!
Strategic Transformation
Revolutionary Technology 2008

시스코 데이터센터 3.0 비전과 전략

3월 11일

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시스코 데이터센터!! 비전 그리고 전략

비전



전략

- 일관성 있는 데이터센터 전략 모델
- 데이터센터 변화 대응

실행

- 가상화 데이터센터 기반 구조 완성
- 통합 패브릭, 인터페이스
- 통합 자동화 서비스
- 어플리케이션 서비스 가속 기능 향상
- 데이터센터 기반 플랫폼

데이터센터 도전 과제



Collaboration



Empowered User



SLA Metrics



Global Availability



Reg. Compliance

신규 비지니스 적용



운영 및 서비스 효율

Power & Cooling



Asset Utilization



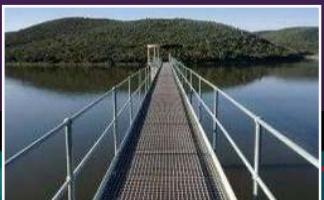
Provisioning



Security Threats



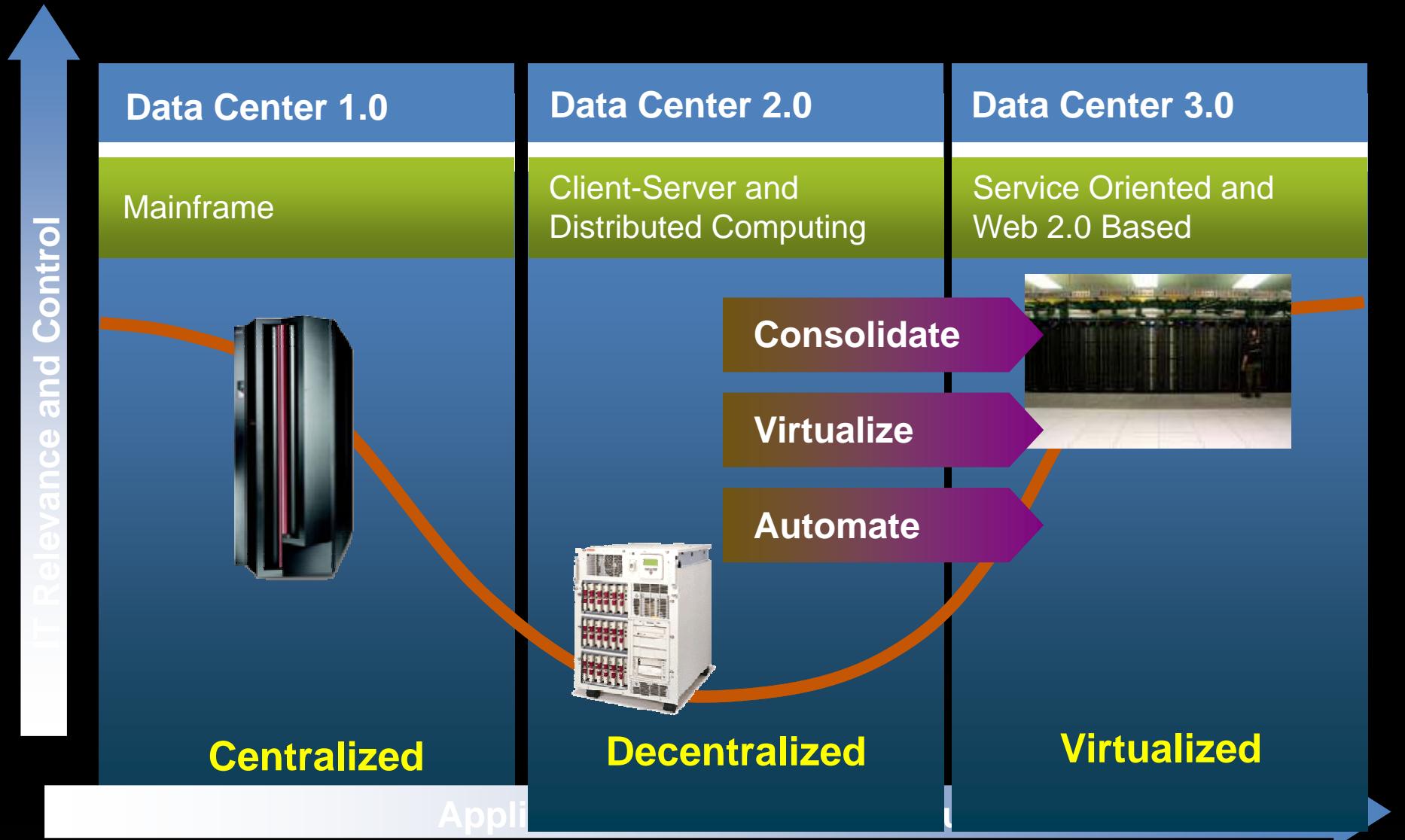
Bus. Continuance



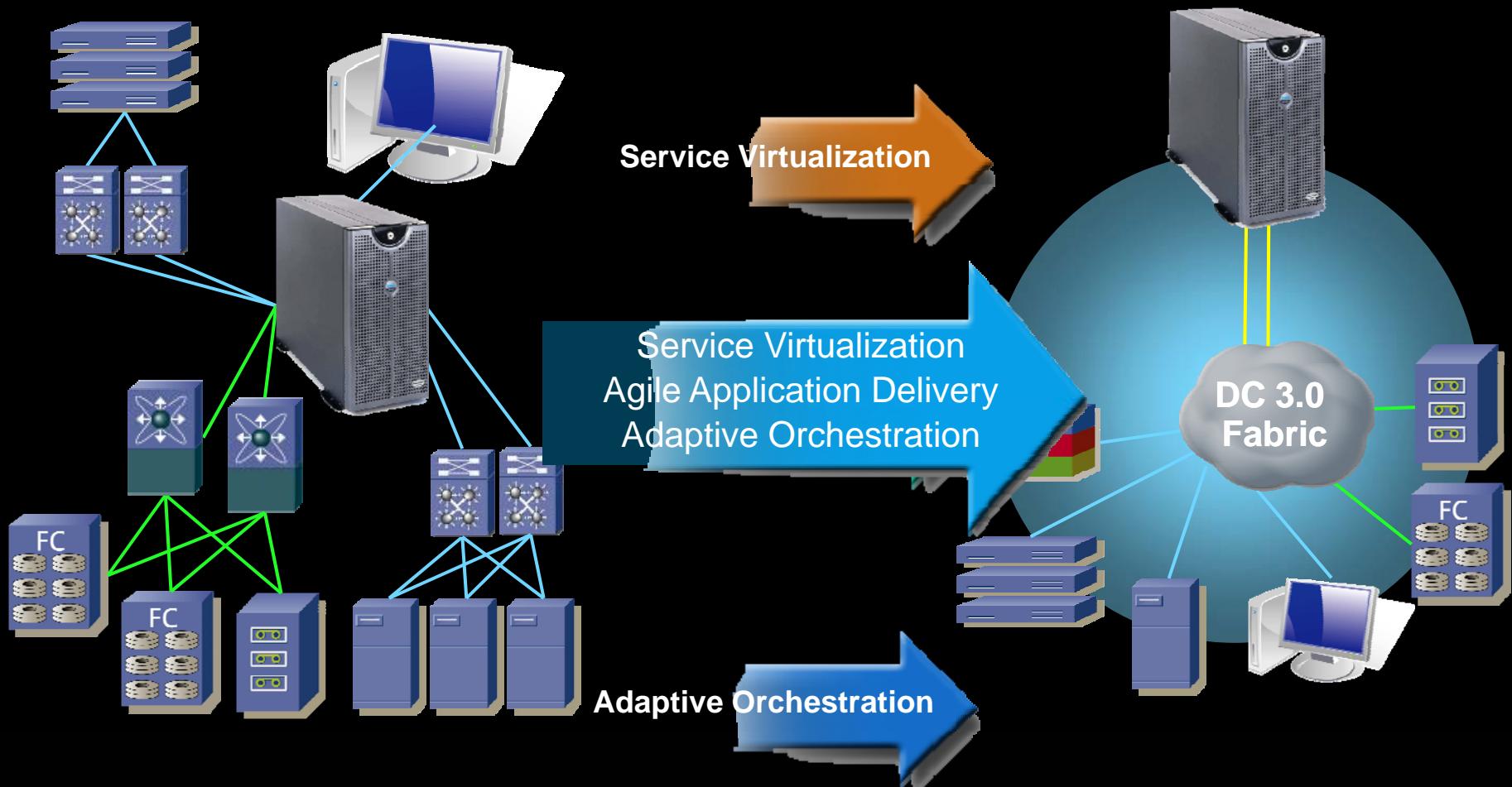
Strategic Transformation Revolutionary Technology

2008

데이터센터 아키텍처 변화



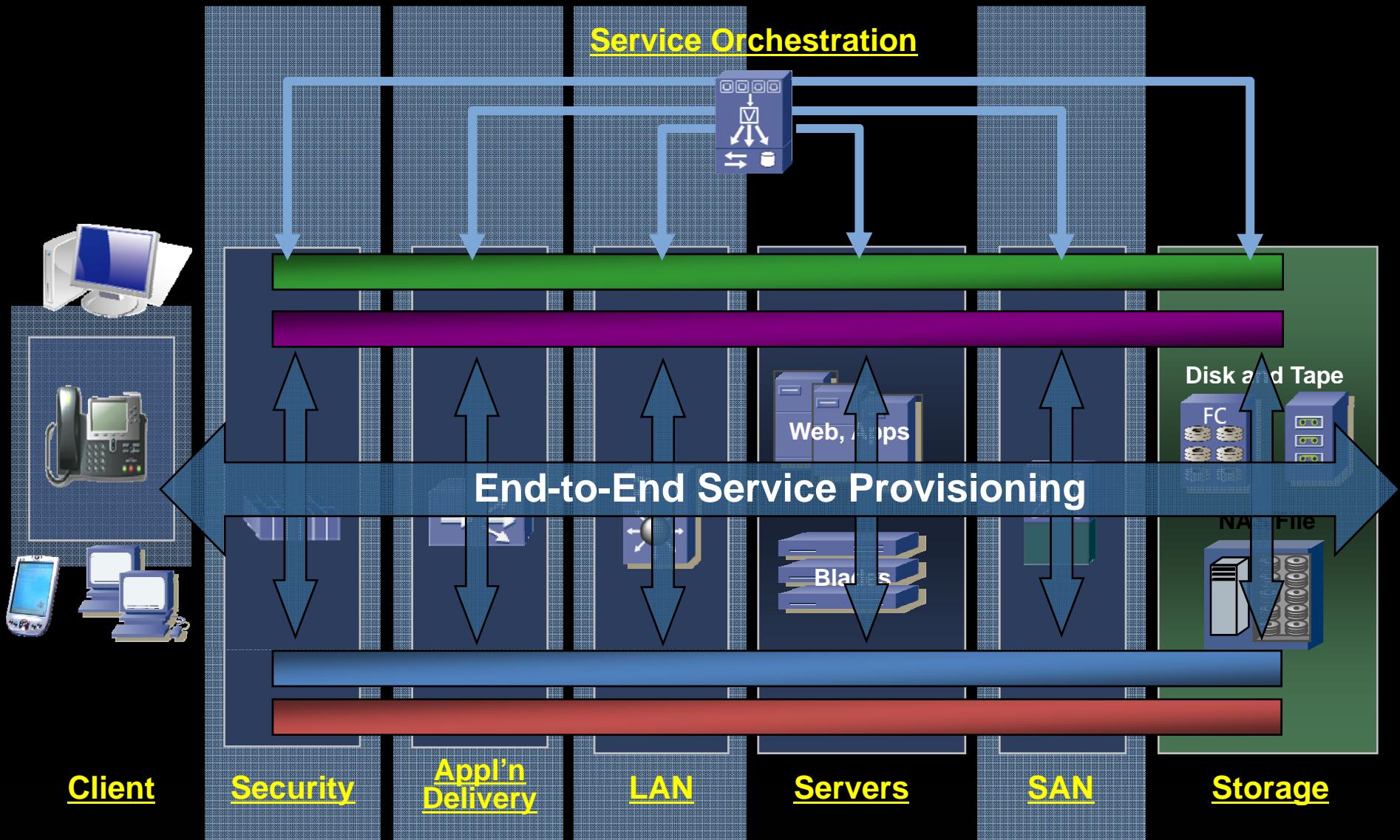
시스코 데이터센터 3.0 차별화



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데이터센터 서비스 완성 기반 모델



서비스 기반 모델 효과

: 데이터센터 서비스 신속성

No Virtualization	Data Center Virtualization	Static Service Orchestration	Dynamic Service Orchestration
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Weeks

Days

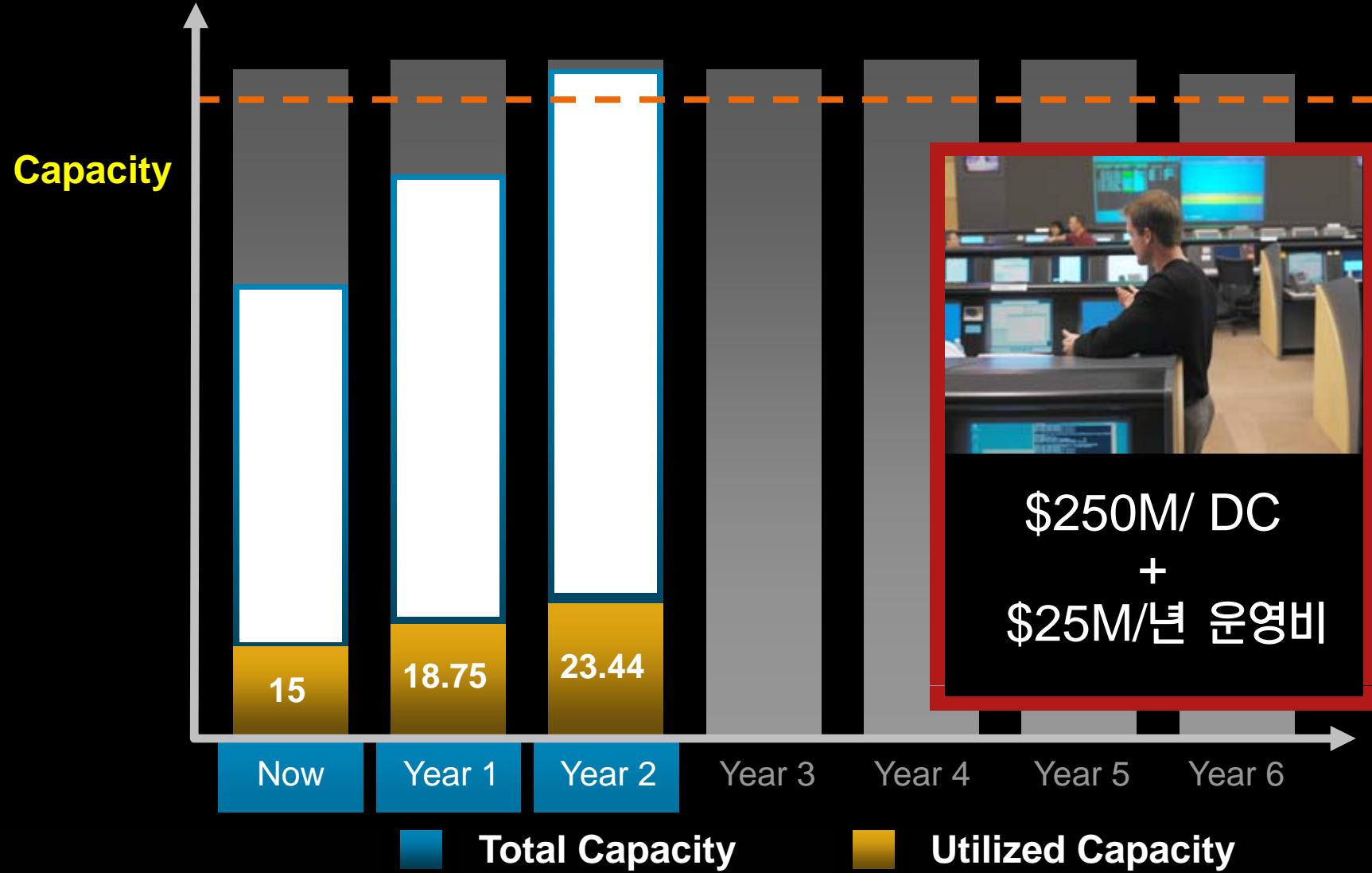
Mins

Secs

서비스 해결 속도 **비즈니스** 요구 조건 및 서비스 적용

데이터센터 효율성 개선 필요성

(Y/Y Storage Growth 25%; Storage Efficiency 20%)



데이터센터 라이프사이클 접근

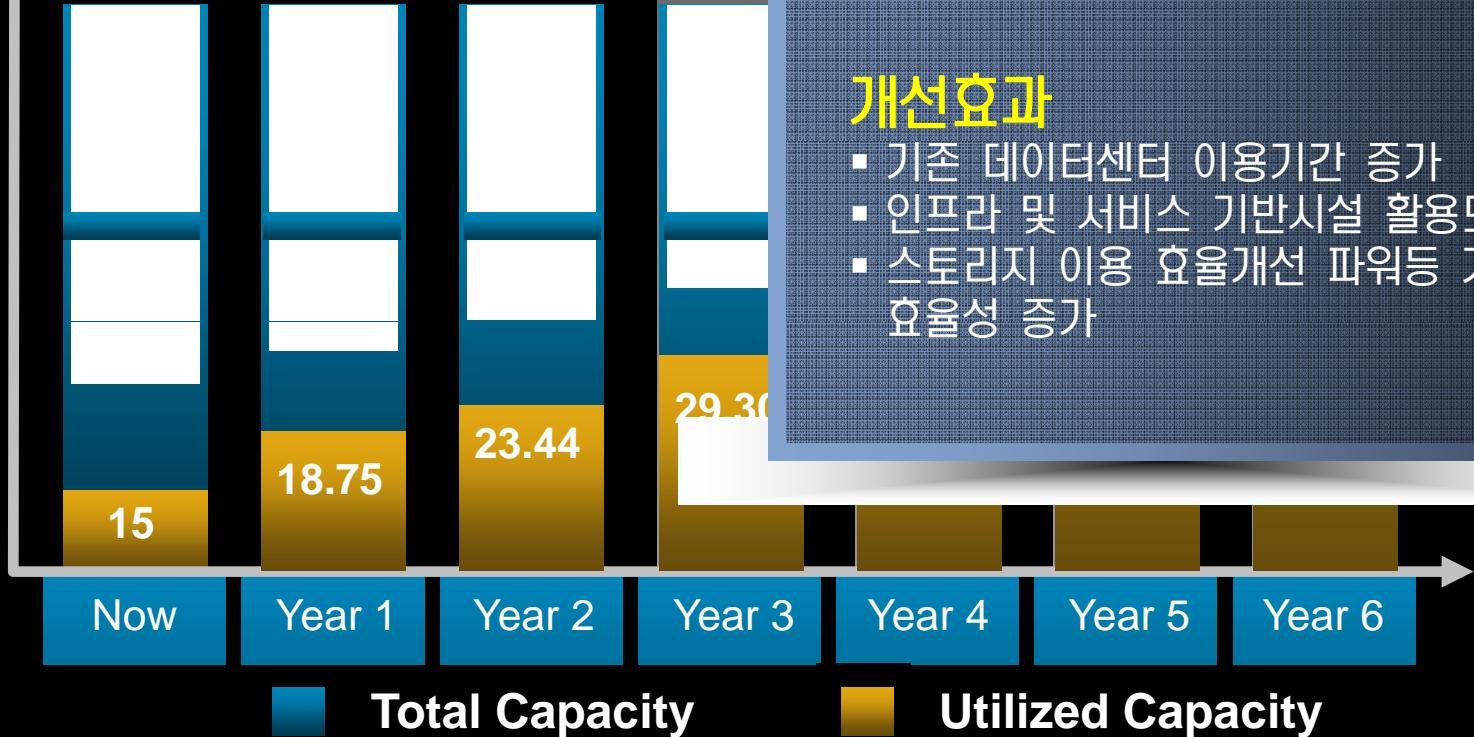
: 비용 효율화

Y/Y CAGR 25%; Efficiency 60%

Thermal Ceiling

Capacity

Savings: \$180M / 4.5 yrs
\$15M/yr Capital
\$25M/yr Opex



데이터센터 디자인 참조 모델 : Datacenter Assurance Program

The screenshot shows the homepage of the Cisco Validated Designs: Design Best Practices for the Data Center. The top navigation bar includes 'HOME' and 'Version 20.3'. Below the navigation is a large image of a modern data center building with glass walls and a yellow highlighted area. To the right, a main text block reads: 'Welcome to the Cisco Data Center Networking best practices interactive tool. This tool is provided to help users gain access to the design and test information in an intuitive, interactive way. To find the network design guidance you need for a specific data center project, go to the CVD-I tab and navigate the topology. To access the test descriptions, results and device configurations of the latest fully tested data center network architecture go to the CVD-II tab. Navigate the topology to find the tests and configurations associated with any specific solution or device. We hope you find this tool helpful for locating the information you need to complete a successful data center network deployment.' Three callout boxes below provide more details: 'Overview' (Cisco Data Center Networking design best practices), 'Reference Designs' (Cisco reference designs for planning and design stages), and 'Data Center Assurance Program' (validated configurations and software versions for implementation stages). Each box has a 'Learn More' button.

시스코 데이터센터 3.0을 통한 변화



Data Center Infrastructure will Last Longer

**Stable and Reliable Infrastructure,
less service calls**

**Deploy Capacity and Applications
Quicker**

데이터센터 혁신...Next Step

Datacenter
Transformation



Automation

Virtualization

Consolidation

23	Sunday
24	Monday
25	Tuesday
26	Wednesday
27	Thursday
28	Friday
29	Saturday



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