

# UTC's Greenhouse Gas Reporting Process

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EPA Climate Leaders Partners Meeting  
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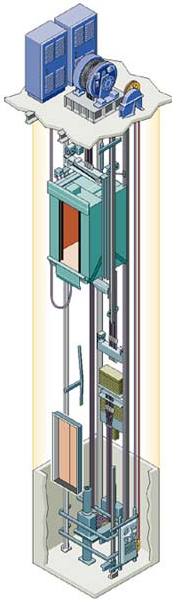


**Hamilton Sundstrand**  
A United Technologies Company

Two Great Names... **One Great Company**

# United Technologies

... operates in over 183 countries worldwide



**Chubb**  
A United Technologies Company



# Why is UTC here?

- Our Objective: Conserve natural resources in the design, manufacture, use, disposal of products and delivery of services
- Support: Quantify and report....
  - Work with government and industry associations to advance laws and regulations supporting these ..goals (objectives)

# YEAR 2007 ENVIRONMENTAL GOALS

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Reduce waste

Not recycled by 60%

Recycled by 35%

Reduce air emissions by 60%

Reduce energy use by 40%

Reduce water use by 40%



# Why Have a Greenhouse Gas Reporting System?

- If You Can't Measure it You Can't Manage it
- 220 Sites and Growing
- 7 Operating Units and Growing
- No Other Single Repository for Data Available

# UTC Greenhouse Gas Reporting

Region	# of Sites Reporting
Asia	38
Africa	5
US	118
South America	7
Western Europe	37
Eastern Europe	15

# Initial EH&S Reporting System (1997)

- Why Use the EHS Dept to Collect & Track?
  - Every site has an EHS Coordinator or Manager
  - Their responsibilities required them to work closely with site management to review environmental performance
  - They already submitted other data to Corp EHS on a regular basis
- Issues:
  - Required better coordination with facilities and procurement personnel
  - Lack of technical knowledge on the subject:
    - Energy and Energy Conservation typically not core EHS function
    - Basic knowledge of reporting terms (i.e Therms, kWh)

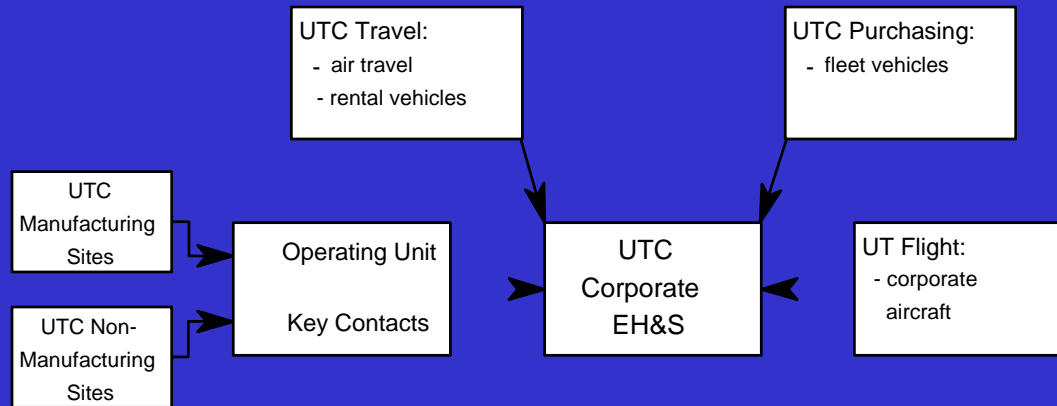
# Initial EH&S Reporting System (1997)

- Involved 220 separate excel spreadsheet templates
- Each excel file had to be:
  - emailed or faxed to corporate EHS office
  - checked for data errors
  - exported to a FoxPro database

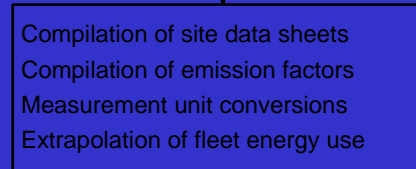


# Basic Process

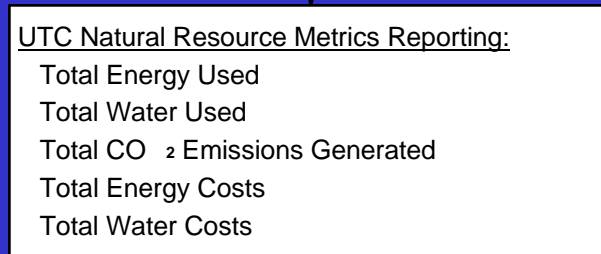
## Data Collection



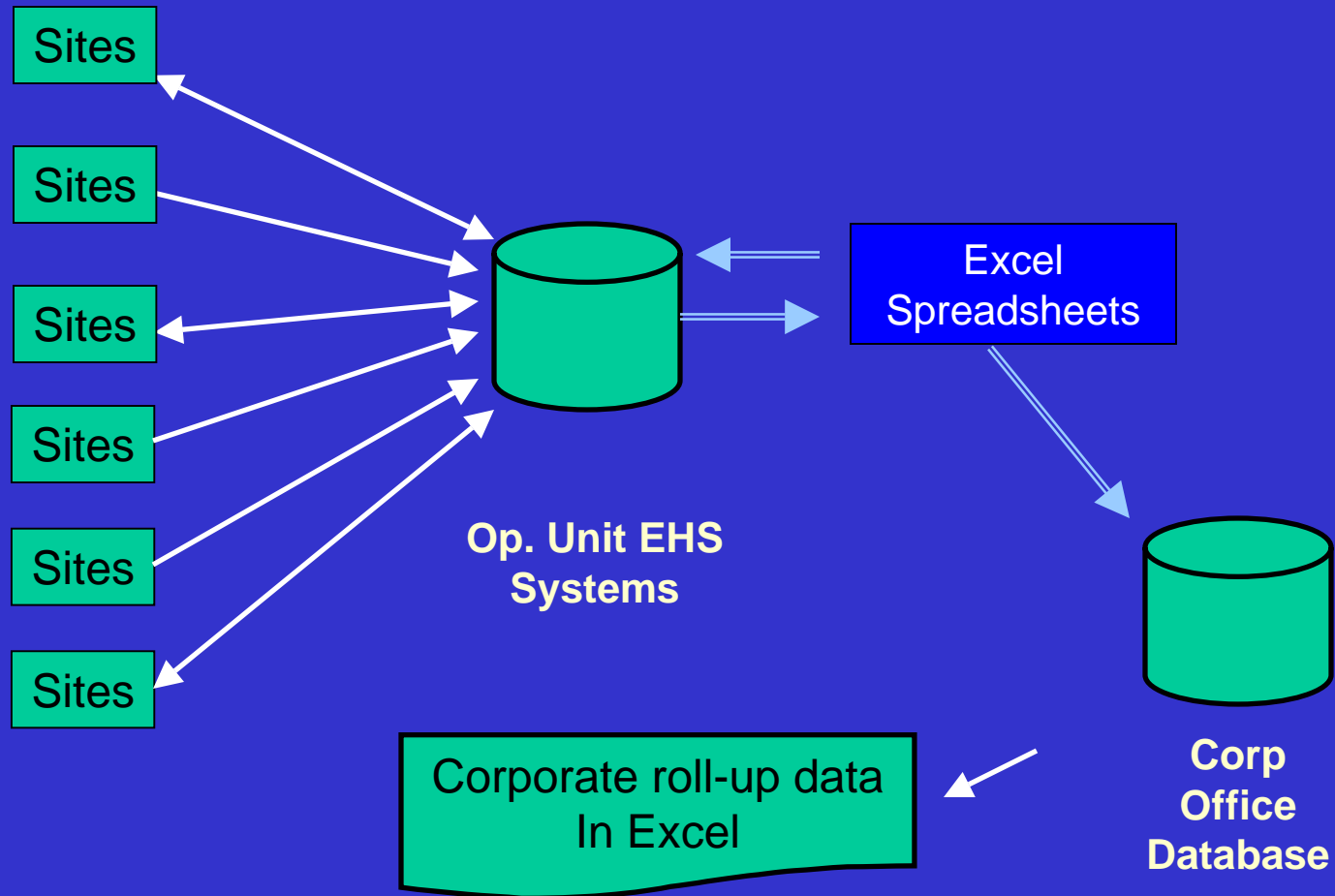
## Data Compilation and Analysis



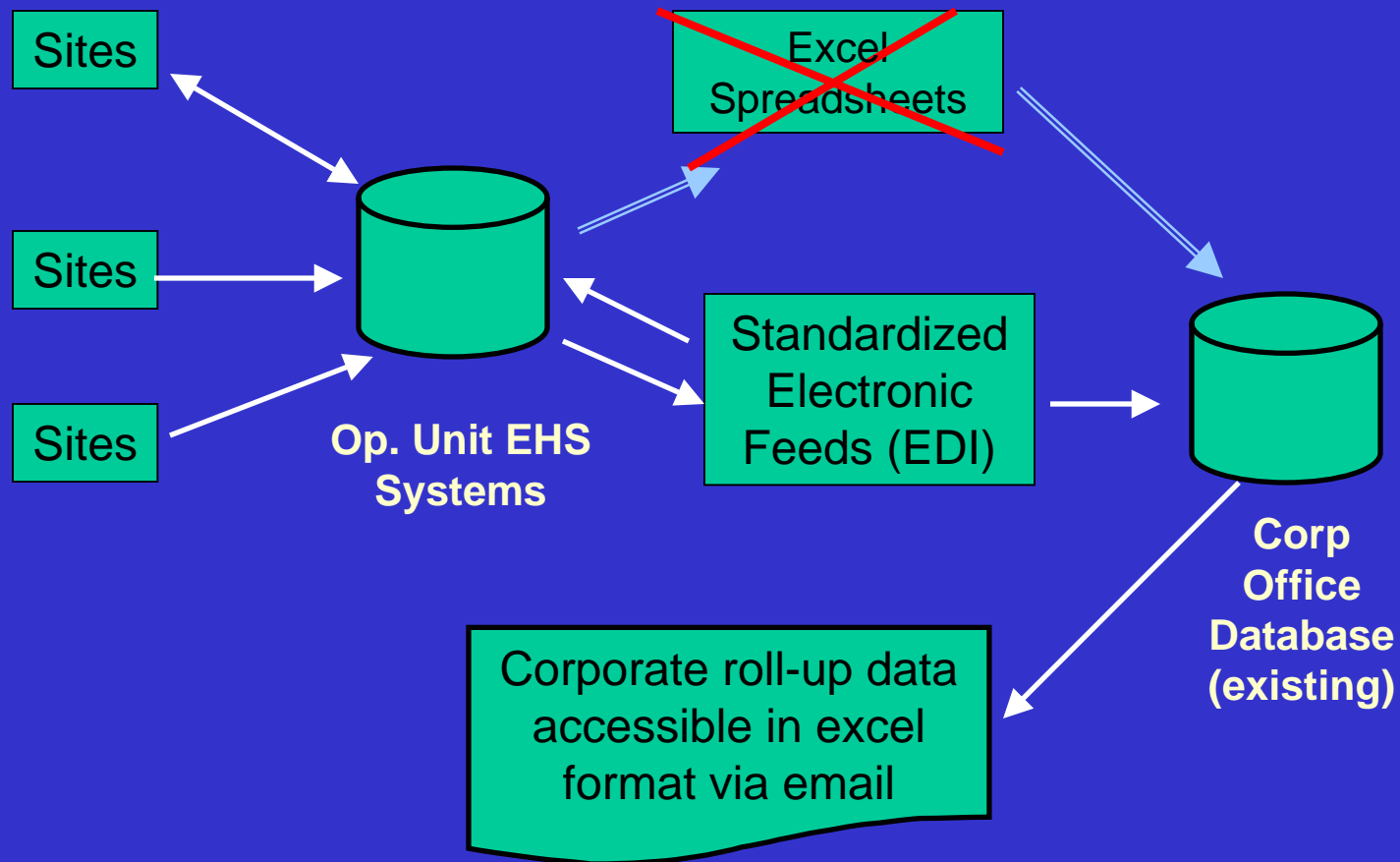
## Data Reporting



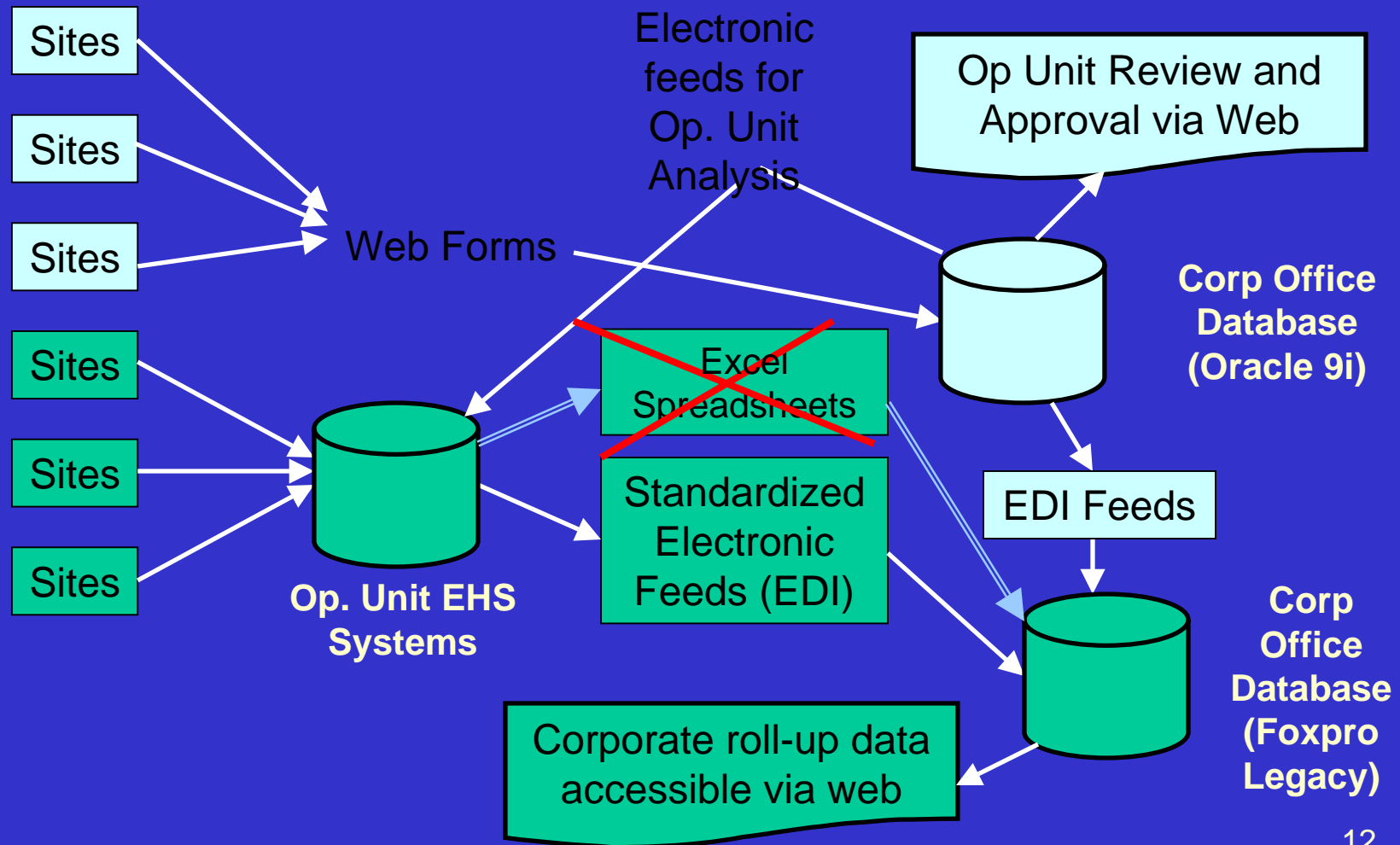
# Original System



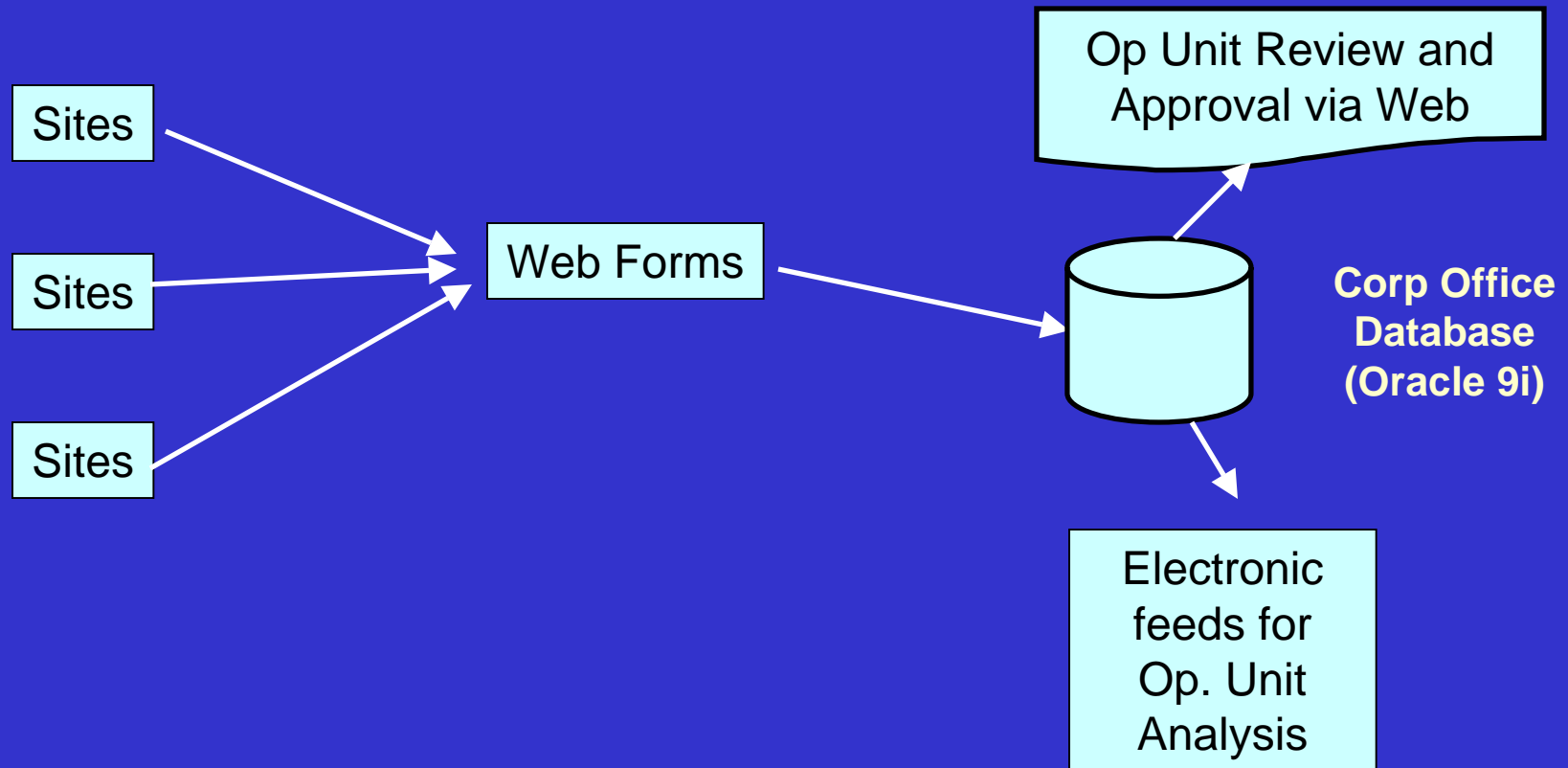
# Operating Units started to create their own data collection systems



# Current System: 75% Web-Based Reporting System



# Future System: 100% Web-Based Reporting System



# Benefits

- Accurate Data
- Much Less Manpower
- More Analysis and Tracking Tools For Operating Unit Personnel
- Flexibility
  - Quarterly reporting capability where corporate only requires annual reporting

Data Turnaround Process Went From Weeks to Days