Duct Systems Design Guide is a best-practices reference for HVAC engineers and designers seeking to develop more energy-efficient, accurate, user-friendly duct systems. Nearly every facet of duct design is covered in detail in this guide: duct layout, fitting selection, system leakage, acoustics, equipment selection, and more. Chapters dedicated to selection and comparison of duct design methods for commercial and industrial duct systems cover the equal friction method, the static regain method, and more. Fitting Database (DFDB).
**DEVELOPMENT**

- **$168,771** raised for ASHRAE’s COVID-19 efforts
- **$875,287** dollars given by ASHRAE regions, chapters, and sections
- **$2.3M** raised within the RP campaign (Research, YEA, Ali, Scholarships, General)
- **$1.7M** raised for research only
- **$2.7M** total cash raised*
- **$356,000** raised in new Scholarship endowments
- **$227,000** awarded through 60 scholarships

**AShRAe Application of Funds**

- **Total cash raised**: $2.3M
- **Raised for research only**: $1.7M
- **Raised in new Scholarship endowments**: $356,000
- **Awarded through 60 scholarships**: $227,000

**Marketing**

- **3,098,037** visits to ASHRAE.org
- 69,632 (0.5%) Facebook
- 101,615 (16.6%) LinkedIn
- 19,629 (3.7%) Twitter
- 5,712 (21.4%) YouTube

**Financial**

- **Revenue**: $21,432M
- **Expense**: $21,716M

**Government Affairs**

- **75 government affairs outreach events**
- **124 meetings**
- **304 member participants**