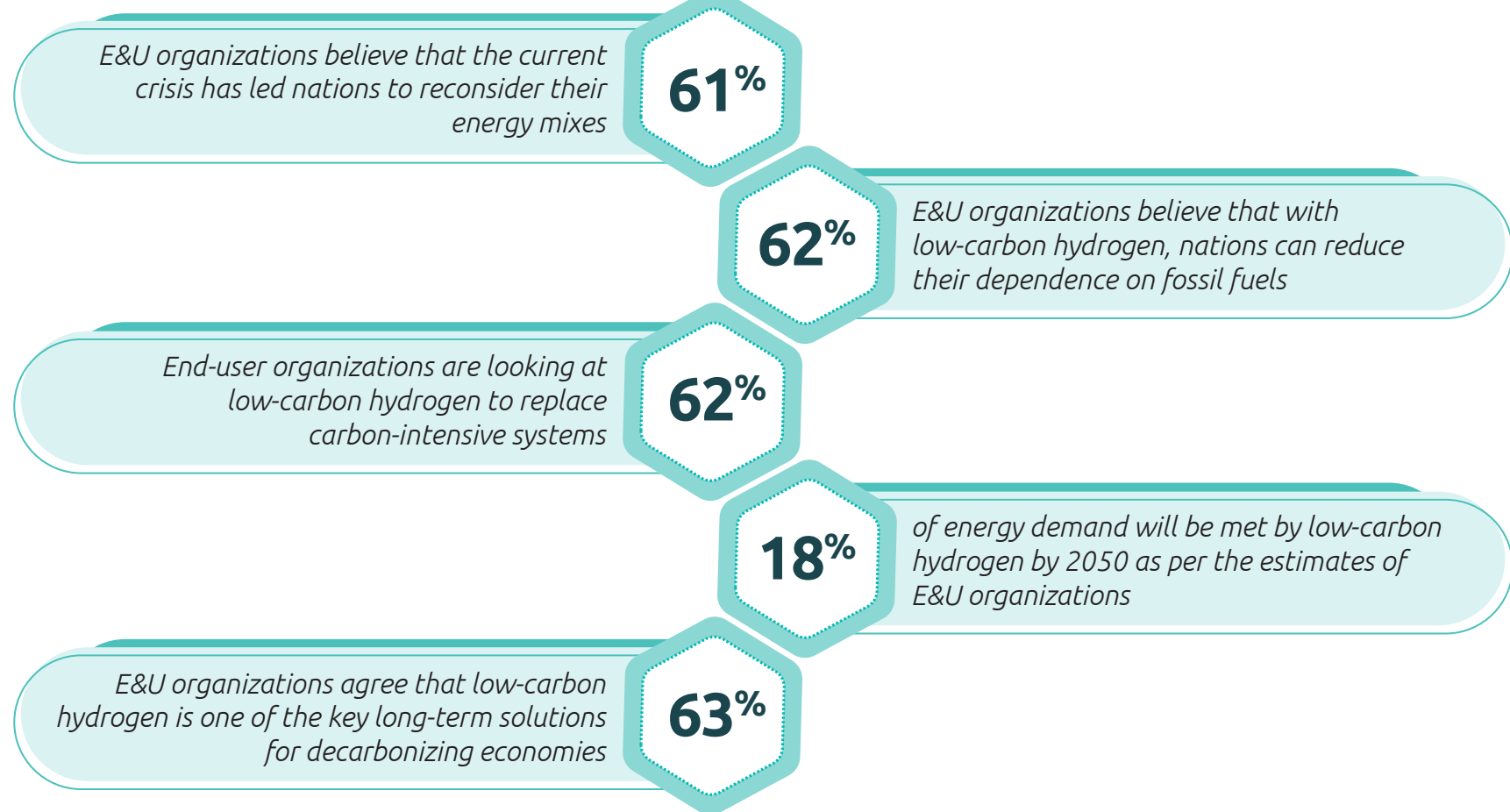


# low-carbon hydrogen

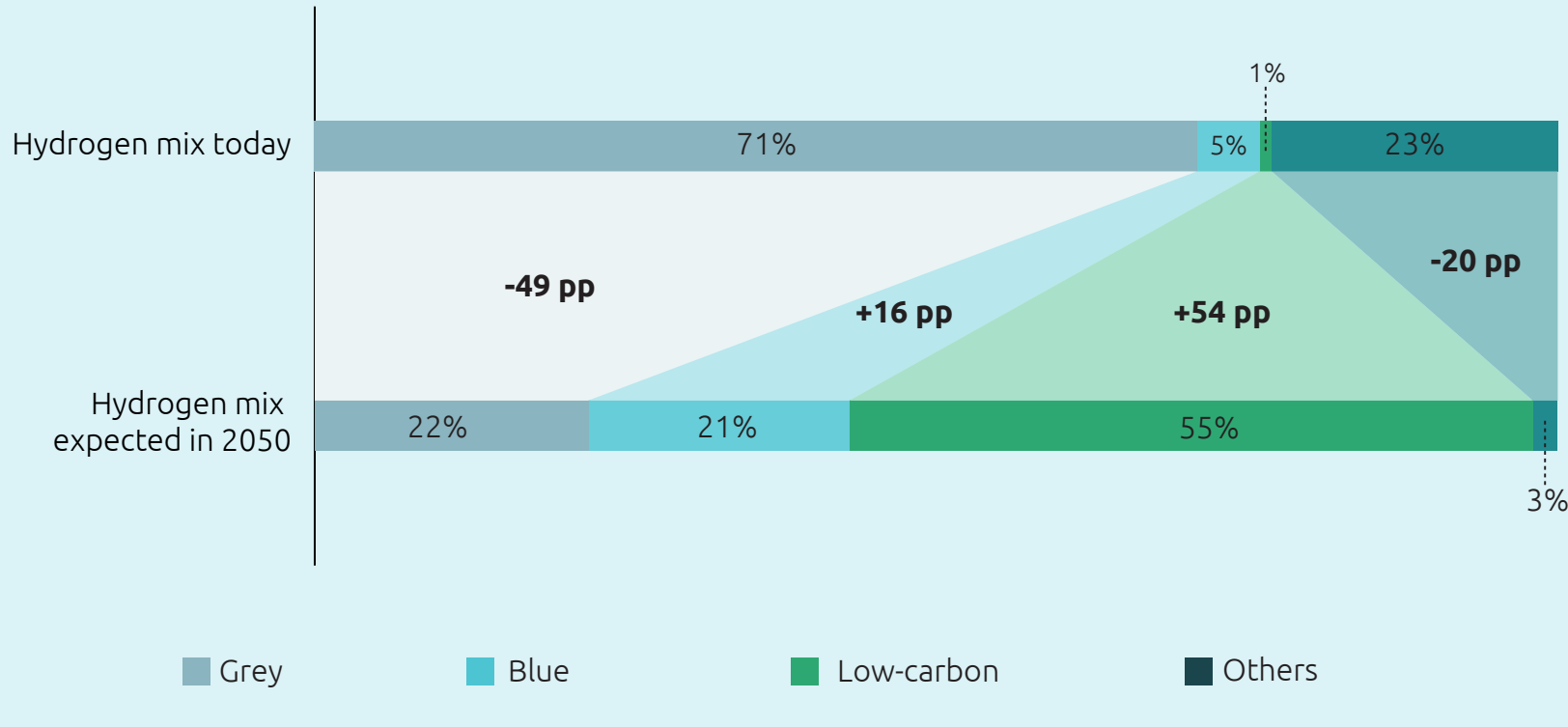
## A PATH TO A GREENER FUTURE

### ORGANIZATIONS ARE OPTIMISTIC AND AMBITIOUS ABOUT LOW-CARBON HYDROGEN



Source: Capgemini Research Institute, low-carbon hydrogen survey, November–December 2022; N=360 respondents from unique end-user organizations; N=500 respondents from unique energy and utilities organizations.

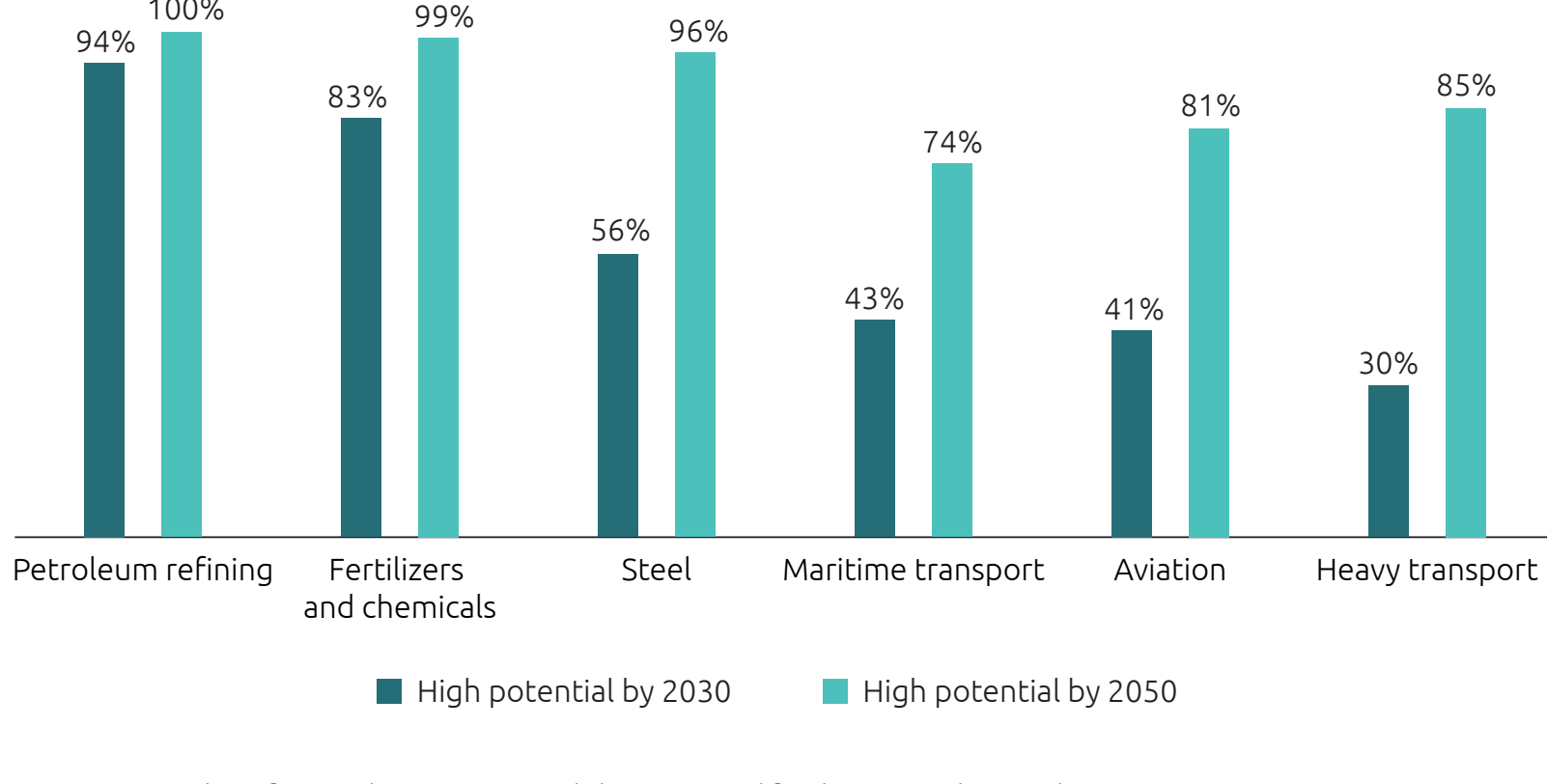
### E&U ORGANIZATIONS EXPECT LOW-CARBON HYDROGEN'S SHARE OF THE TOTAL HYDROGEN MIX TO INCREASE SIGNIFICANTLY BY 2050



Note: This represent subjective organizational expectations for low-carbon hydrogen and is not based on present capabilities and investment levels. Source: IEA, Hydrogen Tracking Report, September 2022; Capgemini Research Institute, low-carbon hydrogen survey, November–December 2022; N=500 respondents from unique energy and utilities organizations.

### INDUSTRIES SUCH AS REFINING, FERTILIZERS, AND CHEMICALS WILL WIDELY HARNESS LOW-CARBON HYDROGEN

% OF RESPONDENTS WHO SEE HIGH POTENTIAL FOR LOW-CARBON HYDROGEN IN THEIR RESPECTIVE INDUSTRIES

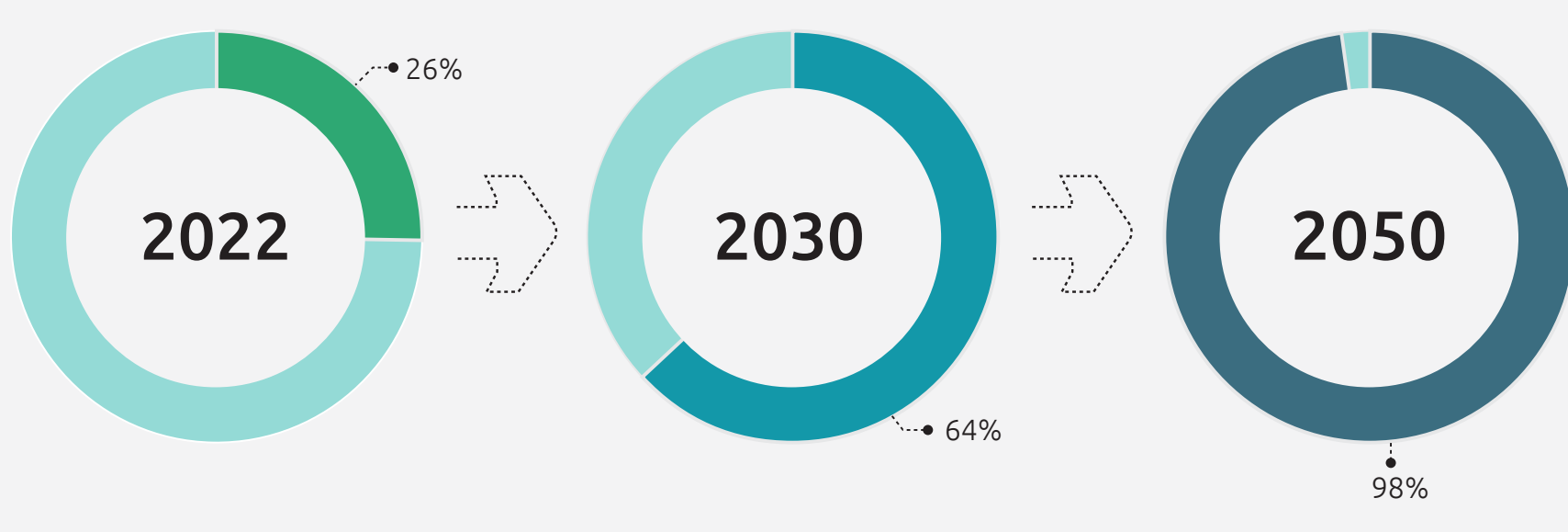


Note: Respondents from each sector answered about potential for their own industry only. Source: Capgemini Research Institute, low-carbon hydrogen survey, November–December 2022; N=360 respondents from unique end-user organizations.

### INVESTMENT IN LOW-CARBON HYDROGEN IS ON THE RISE

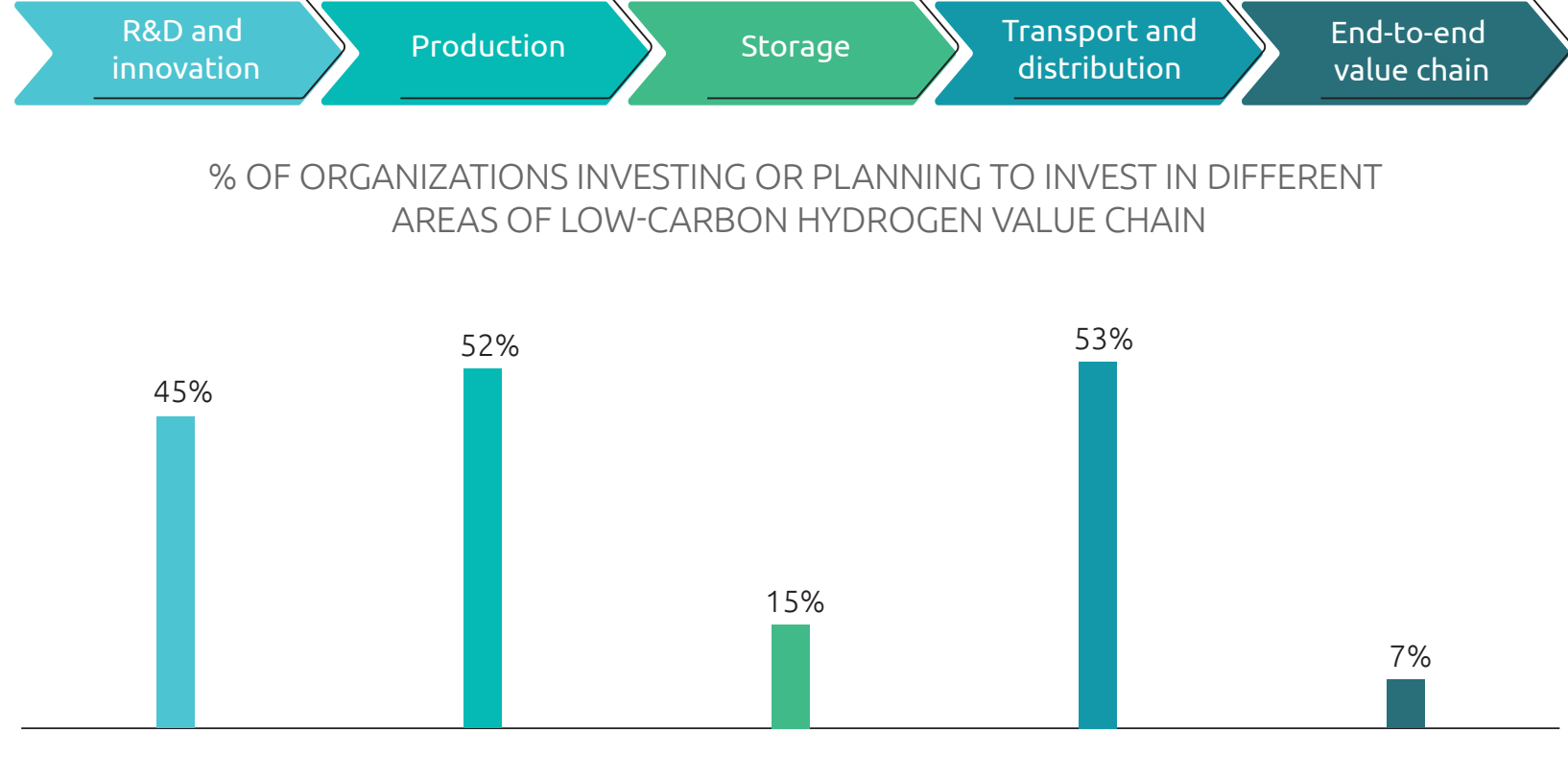
#### A MAJORITY OF E&U ORGANIZATIONS ARE PLANNING TO INVEST IN LOW-CARBON HYDROGEN INITIATIVES

% OF ORGANIZATIONS THAT ARE INVESTING/PLANNING TO INVEST IN LOW-CARBON HYDROGEN



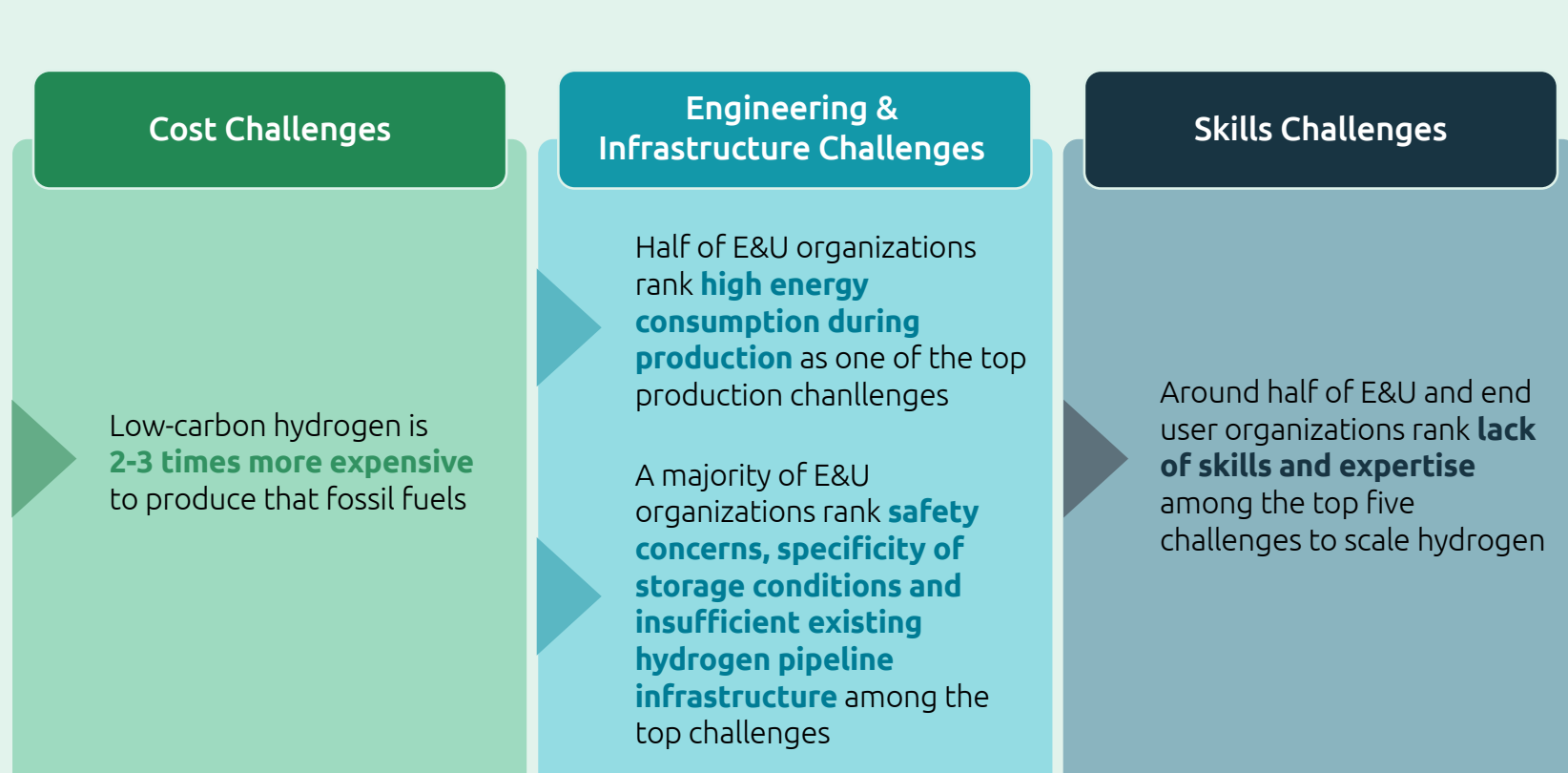
Source: Capgemini Research Institute, low-carbon hydrogen survey, November–December 2022; N=447 respondents from unique energy and utilities organizations.

### E&U ORGANIZATIONS ARE MAKING INVESTMENTS ACROSS THE LOW-CARBON HYDROGEN VALUE CHAIN



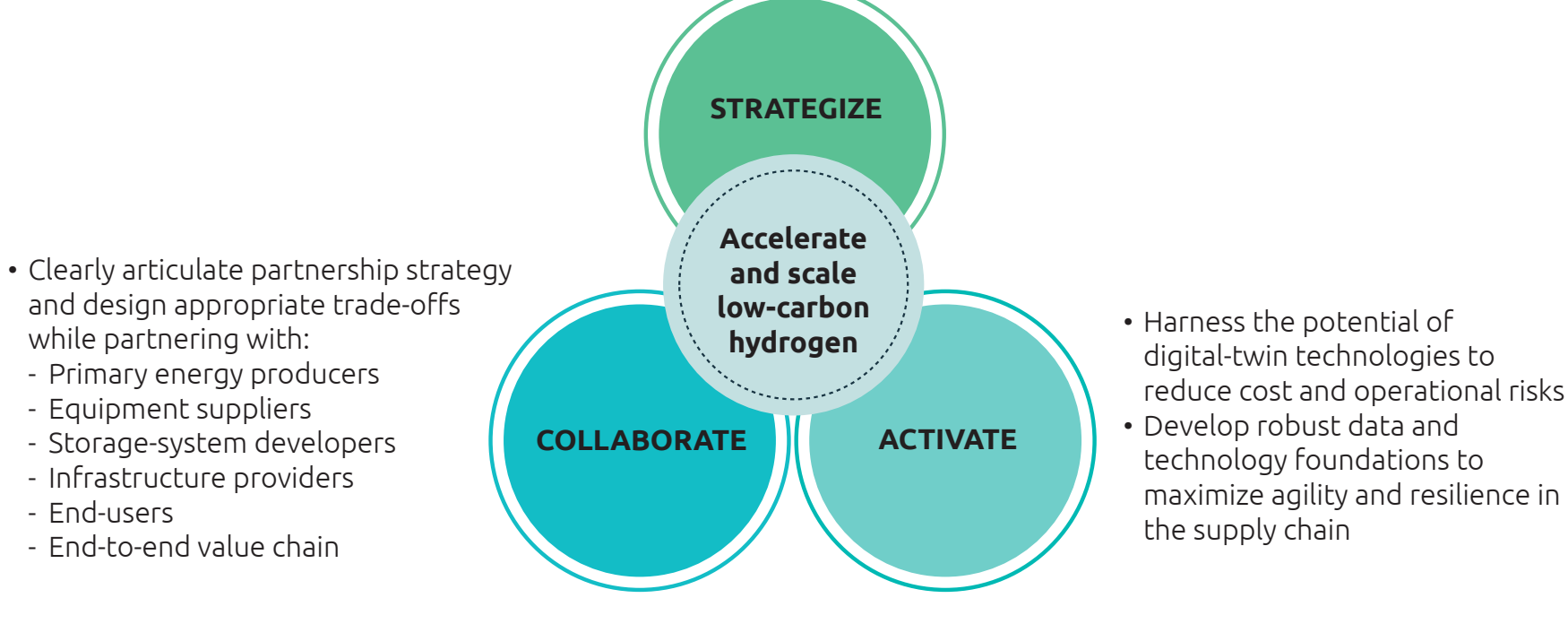
Source: Capgemini Research Institute, low-carbon hydrogen survey, November–December 2022; N=500 respondents from unique energy and utilities organizations.

### COST, ENGINEERING, AND SKILLS CHALLENGES ARE YET TO BE ADDRESSED



### HOW CAN ORGANIZATIONS CAPITALIZE ON THE LOW-CARBON HYDROGEN OPPORTUNITY?

- Tailor the business-case assessment to your organization
- Establish governance models to support new business models
- Establish hydrogen-competence centers for skills development



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