# Bentey® Advancing Infrastructure

Introduction to Bentley Systems



August 2024

# Disclaimer

This presentation includes forward-looking statements regarding the future results of operations and financial position, business strategy, and plans and objectives for future operations of Bentley Systems, Incorporated (the "Company," "we," "us," and words of similar import). All such statements contained in or made during this presentation, other than statements of historical facts, are forward-looking statements. The words "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "expect" and similar expressions are intended to identify forward-looking statements. We have based these forward-looking statements largely on our current expectations, projections and assumptions about future events and financial trends that we believe may affect our financial condition, results of operations, business strategy, short-term and long-term business operations and objectives, and financial needs. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, and there are a significant number of factors that could cause actual results to differ materially from statements made in or during this presentation including: adverse changes in global economic and/or political conditions; the impact of current and future sanctions, embargoes and other similar laws at the state and/or federal level that impose restrictions on our counterparties or upon our ability to operate our business within the subject jurisdictions; political, economic, regulatory and public health and safety risks and uncertainties in the countries and regions in which we operate; failure to retain personnel necessary for the operation of our business or those that we acquire; failure to effectively manage succession; changes in the industries in which our accounts operate; the competitive environment in which we operate; the quality of our products; our ability to develop and market new products to address our accounts' rapidly changing technological needs; changes in capital markets and our ability to access financing on terms satisfactory to us or at all; the impact of changing or uncertain interest rates on us and on the industries we serve; our ability to integrate acquired businesses successfully; and our ability to identify and consummate future investments and/or acquisitions on terms satisfactory to us or at all; and other risks and uncertainties described in our reports filed from time to time with the Securities and Exchange Commission, including our Annual Report on Form 10-K for the year ended December 31, 2023 and subsequent Form 10-Qs.

The forward-looking statements made in this presentation are made as of August 6, 2024. If this presentation is reviewed after August 6, 2024, even if made available by us, on our website or otherwise, it may not contain current or accurate information. We disclaim any obligation to update or revise any forward-looking statement based on new information, future events, or otherwise.

Please refer to pages 30-31 of this presentation for definitions of KPIs and non-GAAP financial measures, and where applicable, reconciliations to their nearest GAAP equivalents, included in this presentation.



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### **BSY Investment Virtues...**

A "Classic Compounder"

The entrenched leading provider of *infrastructure engineering* software globally

Founder-led company with a strong management bench and well-choreographed succession

Large direct recurring revenue base, low revenue concentration, and long-term account relationships provide strong visibility and consistency

Large (ecosystem) pipeline and track record of programmatic acquisitions to round out business performance growth

Operating leverage affords a long runway for ~100bps of annual margin expansion (Adjusted operating income inclusive of stock-based compensation expense<sup>9</sup>)

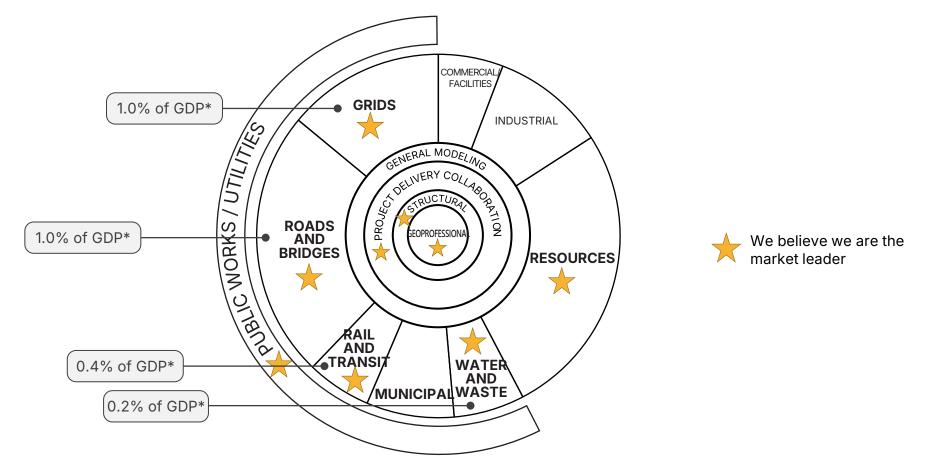
Strong cash flow conversion generates capital for reinvestment, acquisitions, and return of capital (dividends and buybacks to offset SBC dilution)

Sustainable double-digit ARR<sup>6</sup> growth driven by company-specific growth initiatives AND strongly favorable secular end market conditions

Footnotes 6, 9: Refer to pages 30-31 for KPI and non-GAAP definitions

# **ARR<sup>6</sup> by End Markets (Infrastructure Sectors)**

THE Infrastructure Engineering Software Company

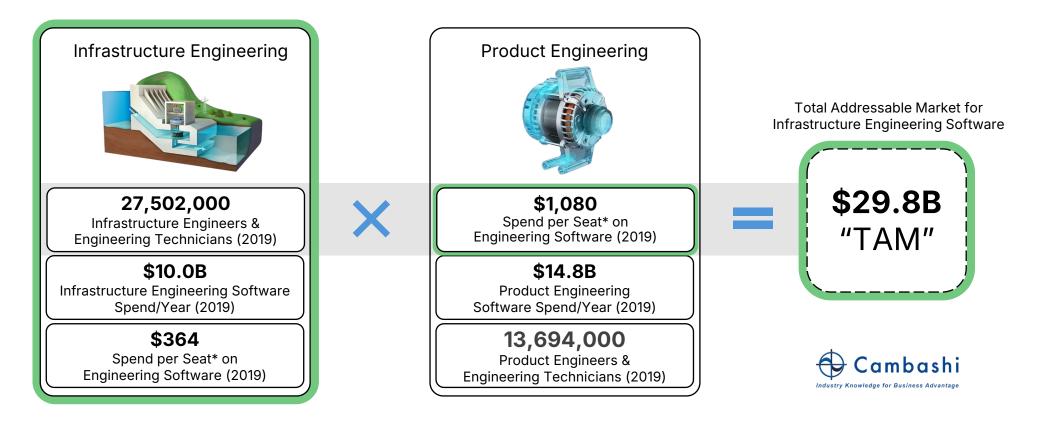


\*Oxford Economics Outlook Global Infrastructure Spending 2016 through 2040 | Footnote 6: Annualized Recurring Revenue – Refer to pages 30-31 for KPI and non-GAAP definitions



# Total Addressable Market ("TAM")

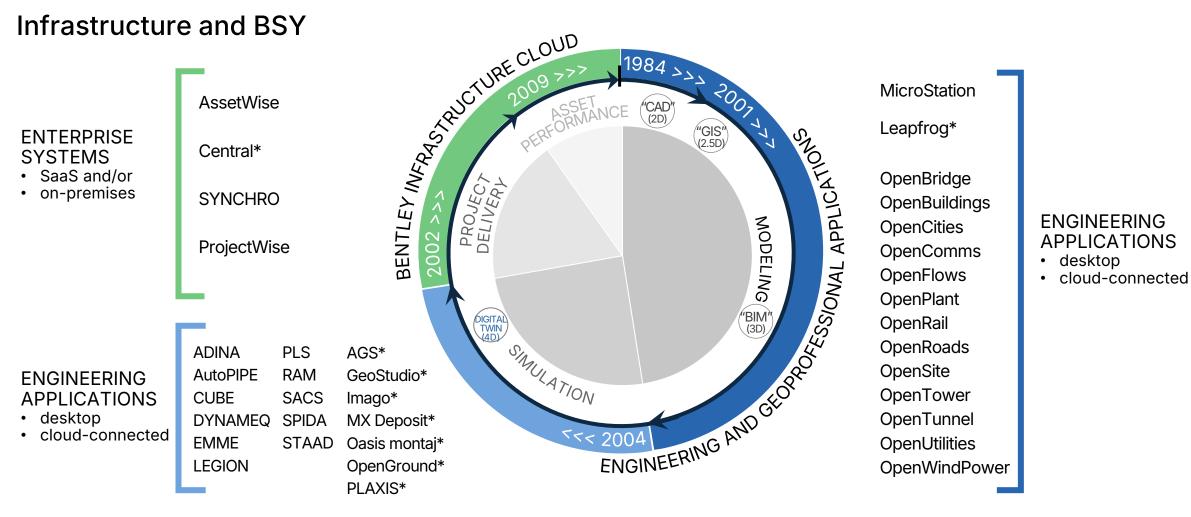
What if infrastructure engineers/technicians would each spend on engineering software the same amount that product engineers/technicians (on average) already spend?



\*Computed for "high spend intensity" countries with consistent employment count from 2018 to 2019 | Source: Oct. 2021 Cambashi study commissioned by Company

# **Comprehensiveness Across Lifecycle...**

#### Infrastructure and BSY



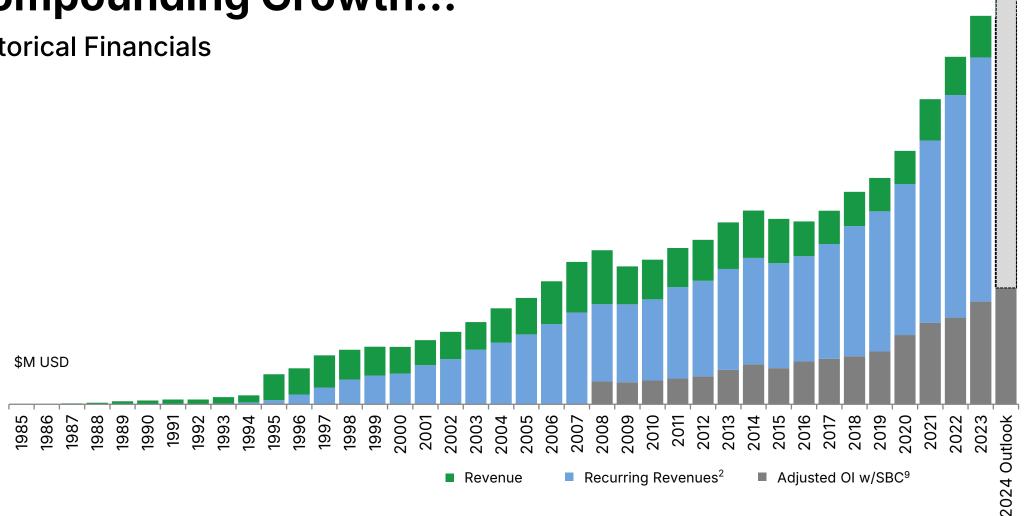
Footnote \*: Seequent (Geoprofessional) | Note: Chart segment sizing corresponds to underlying % of 24Q2 Sector-attributable ARR<sup>6</sup> | Footnote 6: Refer to pages 30-31 for KPI and non-GAAP definitions

**Bentley**<sup>®</sup>

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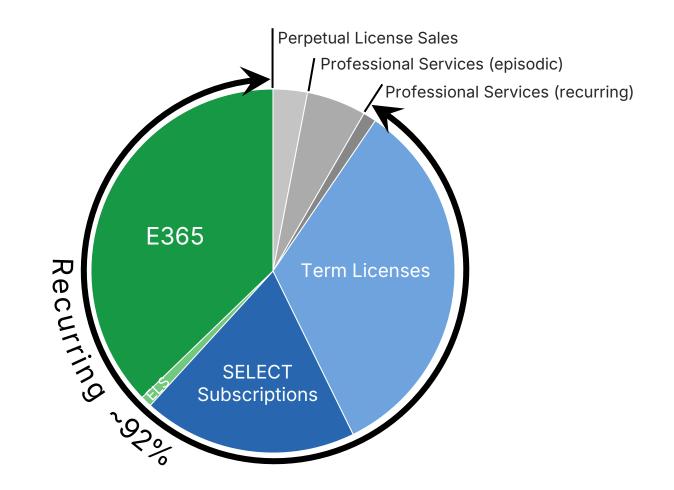
# **Compounding Growth...**

**Historical Financials** 



Note: 1985–2018 revenues were calculated using ASC 605 / 2019-2023, and 2024 Outlook revenues were calculated using ASC 606 Footnote 2: Refer to pages 30-31 for KPI and non-GAAP definitions | Footnote 9: Refer to page 32 for non-GAAP reconciliations

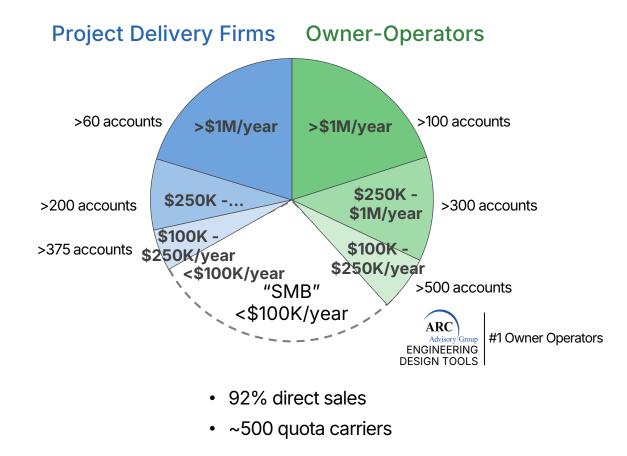
### **Revenues by Commercial Model**



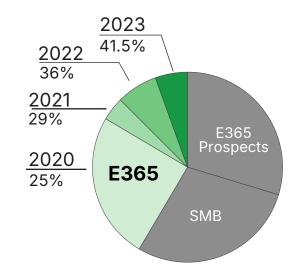
Note: Chart segment sizing corresponds to underlying % of YTD June 30, 2024

# **Growth Initiative #1 - E365 | Enterprise Accounts**

#### **Accretion in Enterprise Accounts**



E365 as % total ARR<sup>6</sup>

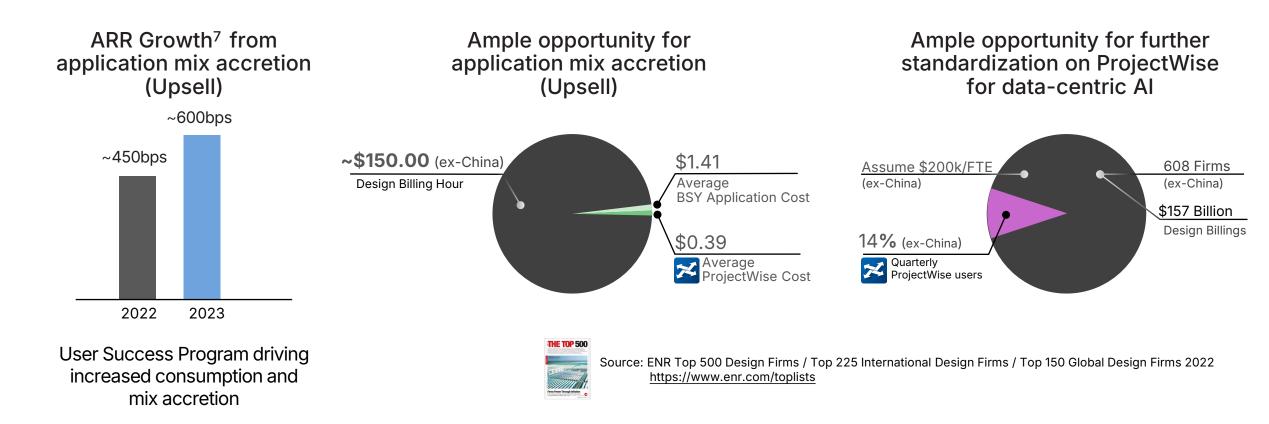


- E365 success force:
  >600 infrastructure engineer experts
- E365 includes quarterly menu of Success Blueprints (for new digital workflows)

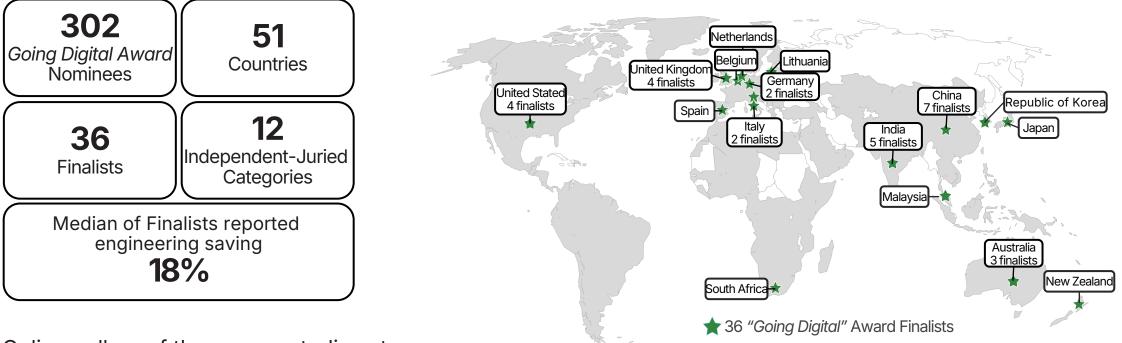
Note: Chart segment sizing corresponds to underlying % of 2023 Revenue | Footnote 6: Refer to pages 30-31 for KPI and non-GAAP definitions

# **Application Mix Accretion Opportunity**

BSY as Established Leader, Long Runway for Upside from Going Digital



## The Year in Infrastructure 2023



Online gallery of these case studies at https://www.bentley.com/events/going-digital-awards/

Infrastructure Yearbook

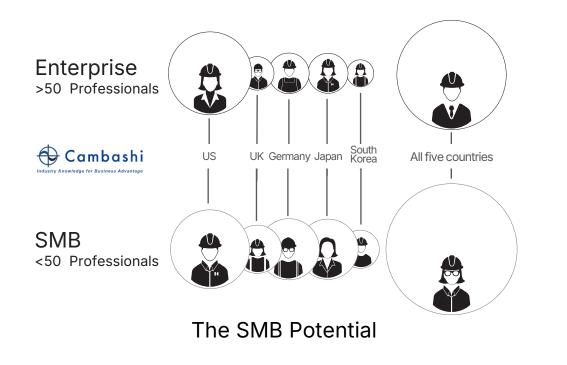
https://www.bentley.com/company/infrastructure-yearbook/



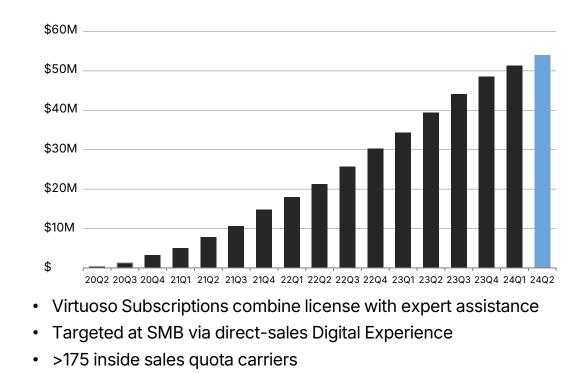


# Growth Initiative #2 - Virtuosity | SMB

Increasing Penetration in Small and Medium-Sized Businesses ("SMBs")



Number of Infrastructure Engineers, by Size of Firm



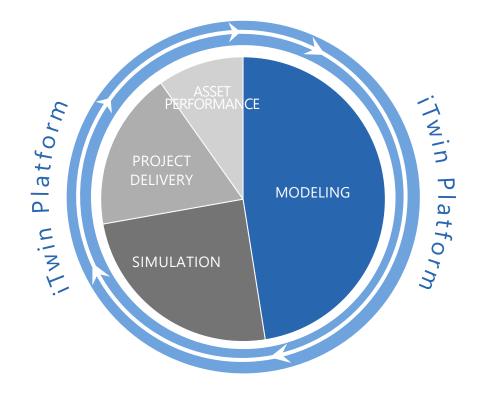
• Added ~3-4% in ARR growth<sup>7</sup>, and 600+ new logos, for last ten quarters

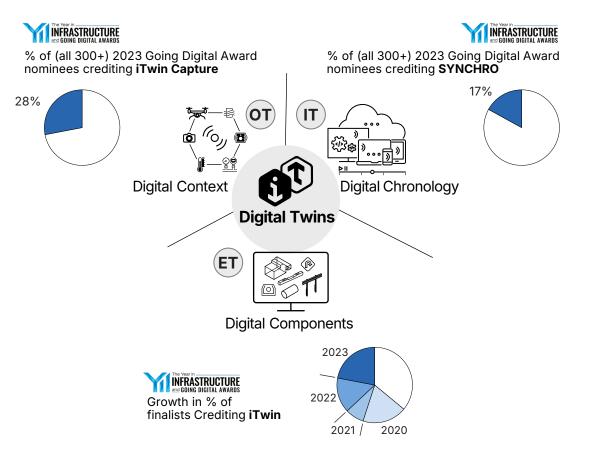
Source: Oct. 2021 Cambashi study commissioned by Company | Footnotes 6,7: Refer to pages 30-31 for KPI and non-GAAP definitions

#### Virtuosity ARR<sup>6</sup>

# Growth Initiative #3 - Digital Twins (Powered by iTwin Platform)

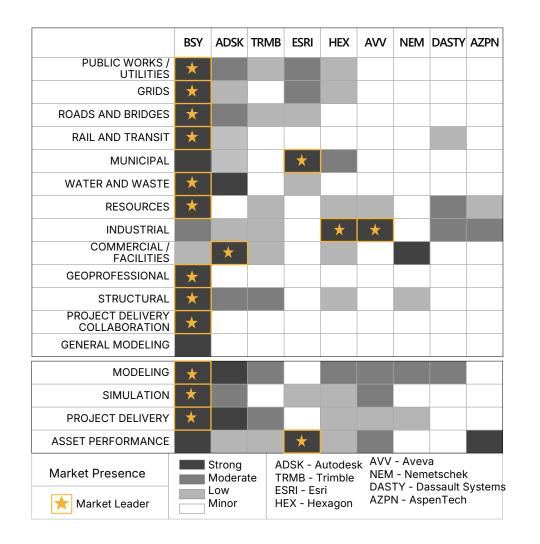
Cloud Services Synchronizing, Aligning, Federating Infrastructure Engineering Data for AI Accessibility

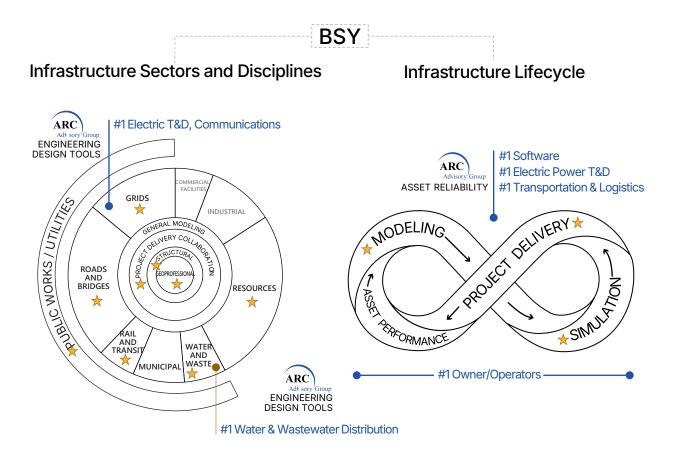




Note: Chart segment sizing corresponds to underlying % of 24Q2 Sector-attributable ARR<sup>6</sup> Footnote6: Refer to pages 30-31 for KPI and non-GAAP definitions

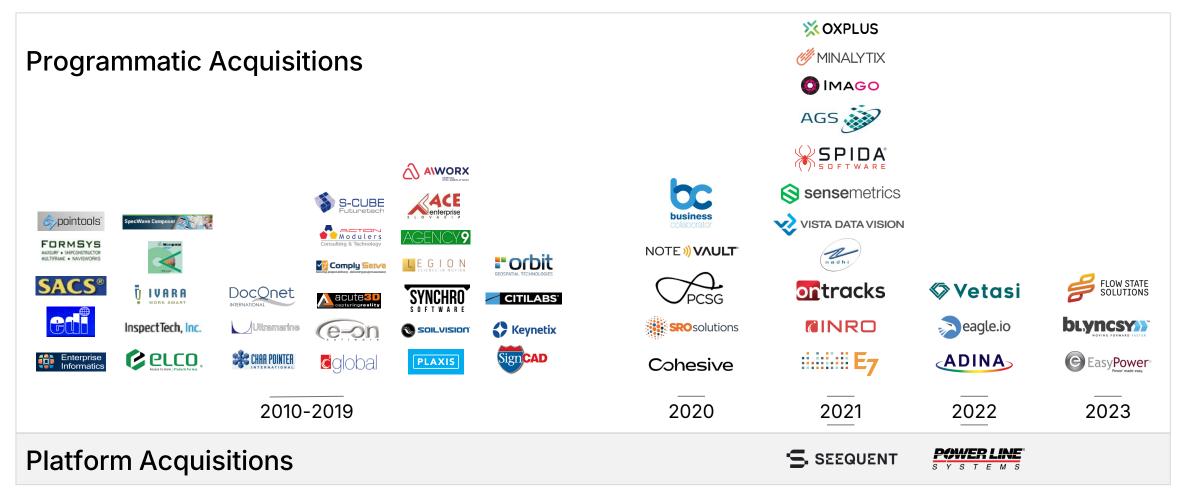
## **Competitive Landscape**





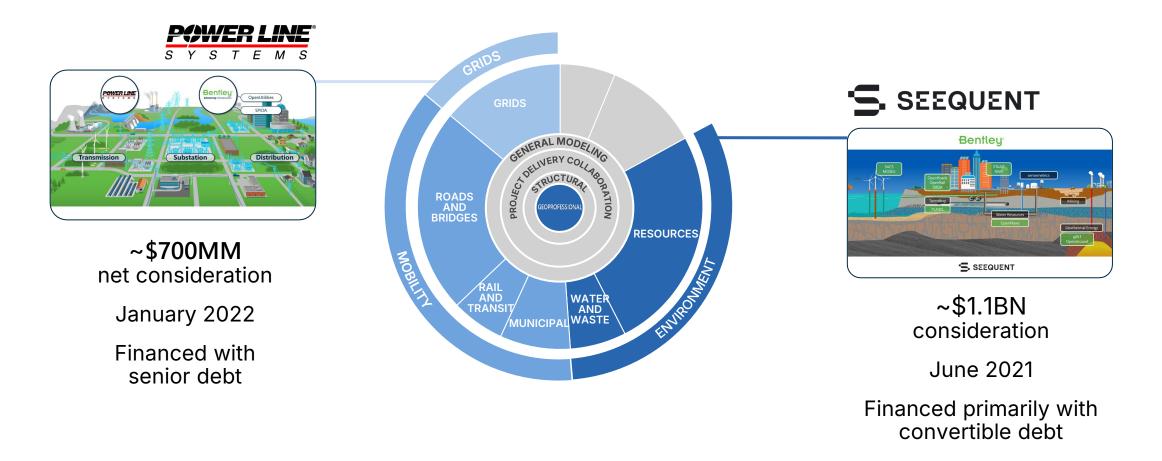


# Acquisitions



# **Platform Acquisitions**

**Expanding Opportunities for Grid and Environment Digital Twins** 



# ES(D)G: Empowering Sustainable Development Goals

### SUSTAINABLE G ALS

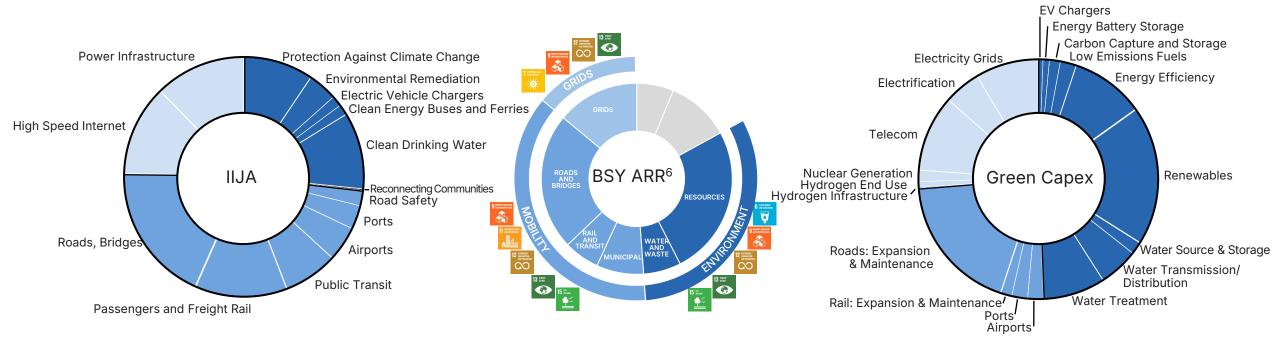






# **Global (Infrastructure) Investment Priorities**

Well-positioned for ES(D)G-Enabling Energy Transition Spending Across Mobility, Grids, Environment



U.S. Infrastructure Investment and Jobs Act (IIJA)

Similar incremental multi-year infrastructure and energy transition investment programs in countries such as the EU, UK, India, Australia, and China

Footnote 6: Refer to pages 30-31 for KPI and non-GAAP definitions

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Green Capex: Capturing the Opportunities

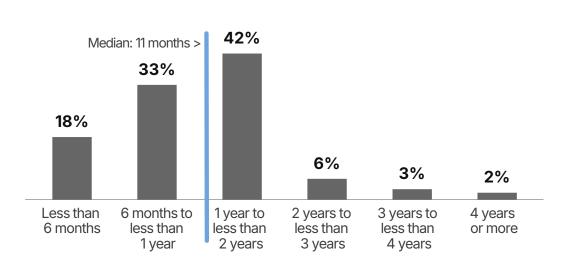
2022 Sustainability And Impact Series Annual investment required in the 2020s (\$USD ~\$6tn)

Source: IEA, OECD, McKinsey & Company, Goldman Sachs Global Investment. Research – 2021/10/11



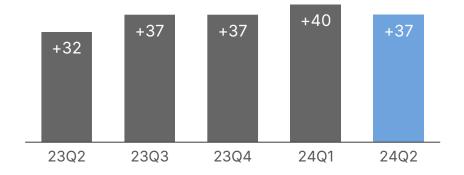
# Infrastructure Engineering at Capacity

#### **Prioritizing Going Digital**



Infrastructure Engineering Demand

#### Backlog 12 Months from Now Sustained Strong "Net Ratings" Expectations





Source: ACEC Research Institute Engineering Business Sentiment -> https://www.acec.org/resource/engineering-business-sentiment-2024-q2



# **Infrastructure Engineering Priorities**

**Going Digital** 

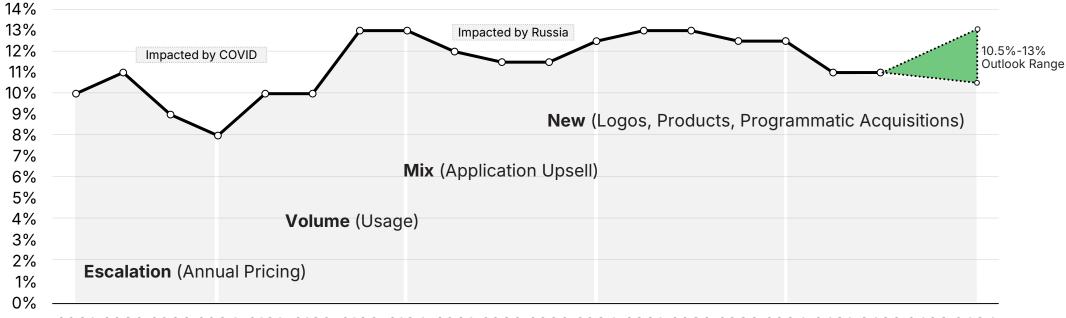
**Client Priorities Today and in Three Years** Deliverables Prioritized by your Clients (Based on First Priority Ranking) In 3 Years 47% Todav 41% 37% 22% 19% 9% 9% 8% 5% 4% 2D drawings 3D models Simulation results Infrastructure Other digital twins

AEC/ADVISORS

200 firms | 90% North American AEC Market Represented | Source: AEC CEO Summit 2022 - https://www.aecadvisors.com/event/ceo-summit-2022

# **Resilient ARR Growth<sup>8</sup> Layering Multiple Growth Drivers**

#### YoY constant currency business performance

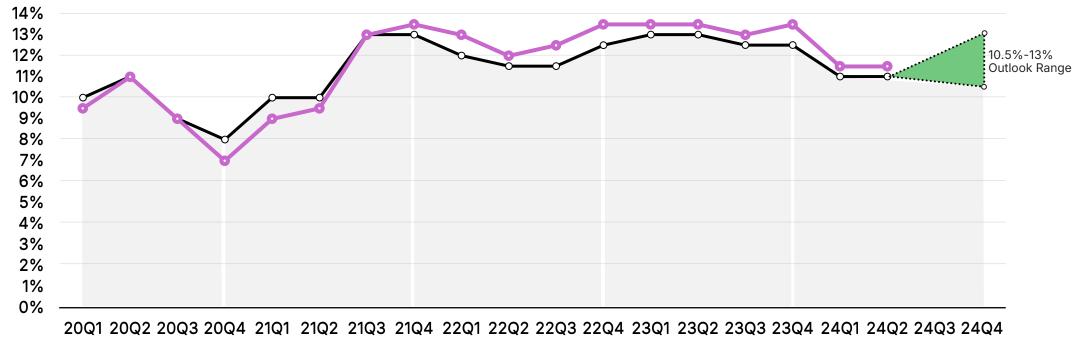


20Q1 20Q2 20Q3 20Q4 21Q1 21Q2 21Q3 21Q4 22Q1 22Q2 22Q3 22Q4 23Q1 23Q2 23Q3 23Q4 24Q1 24Q2 24Q3 24Q4

Footnote 8: Refer to pages 30-31 for KPI and non-GAAP definitions

# **Resilient ARR Growth<sup>8</sup>**

YoY constant currency business performance



-O- As reported -O- Ex-China

Footnote 8: Refer to pages 30-31 for KPI and non-GAAP definitions

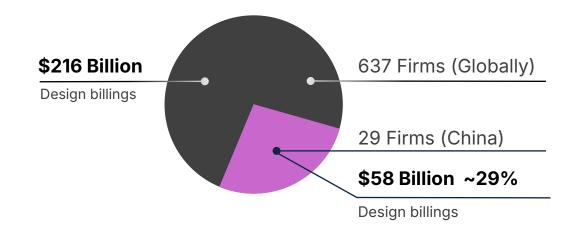
# **Longer Term China Opportunity**

Near Term – Diminishing ARR<sup>6</sup> Headwind

Pivoting to "localization" model in China (~2.5% of BSY total ARR<sup>6</sup>) to surmount geopolitical obstacles

- Joint venture for development and distribution of onpremises adaptation of ProjectWise platform (iLink)
- Joint venture to assume hydropower accounts and to develop specialized Chinese (MicroStation-based) applications (East Wise)
- Expect regression to local preference for license sales at the expense of ARR<sup>6</sup>

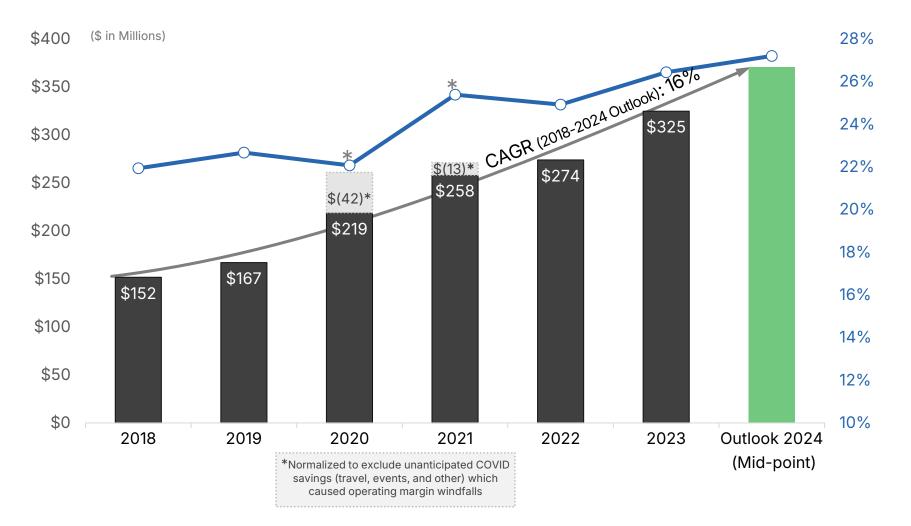
#### Longer Term Opportunity – Largest Design Billings Market in the World



Source: ENR Top 500 Design Firms (<u>https://www.enr.com/toplists</u>, / Top 225 International Design Firms / Top 150 Global Design Firms 2022 Footnote 6: Refer to pages 30-31 for KPI and non-GAAP definitions



# **Compounding Operating Profit (Adjusted Ol w/SBC<sup>®</sup>)**



Footnote 9: Refer to pages 30-31 for KPI and non-GAAP definitions | Note: 2018 revenues were calculated using ASC 605, 2019-2023, and 2024 Outlook revenues were calculated using ASC 606

### **Full Year 2024 Financial Outlook**

Financial Metrics	Outlook
Total Revenues	\$1,350 million to \$1,375 million <sup>a</sup> (+10% to 12% in constant currency <sup>a</sup> )
ARR Growth <sup>8</sup> (constant currency <sup>1</sup> )	10.5% to 13% <sup>b</sup>
Adjusted OI w/SBC Margin <sup>10</sup>	Approximately 100bps annual improvement
Effective Tax Rate	Approximately 20%
Cash Flow from Operations	Approximately 80% of Adjusted EBITDA <sup>11</sup>
Capital expenditures	Approximately \$22 million

Additional expectations to support financial modeling

- Full year interest expense of approximately \$29 million. Around \$13 million cash interest (net of around \$9 million of payments received from our interest rate swap);
- Full year cash taxes of around \$50 million;
- Stock-based compensation in the 6% range of revenues;
- Operating depreciation and amortization of approximately 1.5% of revenues;
- Fully diluted weighted average shares outstanding between 333.2 and 334.7 million;
- Dividends of \$0.24 per share.

Footnote a: We do not update our revenues outlook for subsequent changes in foreign exchange rates | Footnote b: Includes ARR<sup>6</sup> acquired from programmatic acquisitions, which generally are immaterial, individually, and in the aggregate | Footnotes 1, 6, 8, 10, 11: Refer to pages 30-31 for KPI and non-GAAP definitions



# **Financial Drivers**

Resilient ARR Growth<sup>7</sup> ~92% Subscription Revenues

Commitment to robust R&D investment >22% of revenue

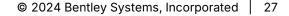
Commitment to annual margin improvement Global, direct sales investments complete ~100 bps in Adjusted OI w/SBC margin<sup>10</sup>

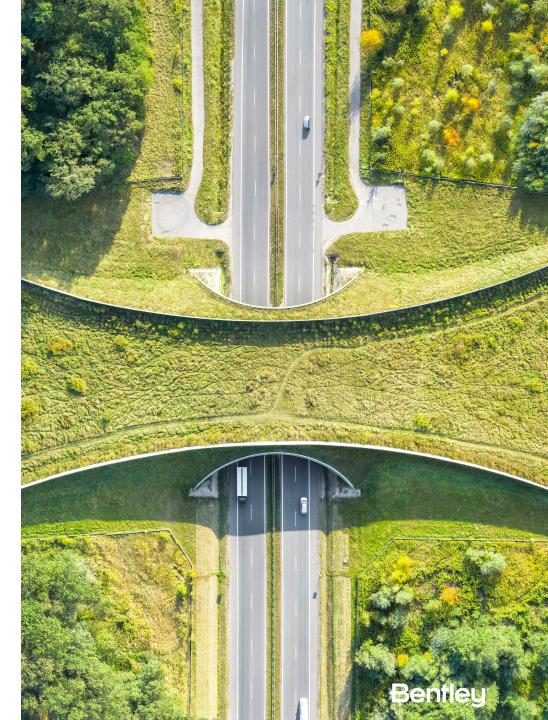
Cashflow efficiency

~70% of revenue paid annually in advance ~20% effective tax rate

~80% Adjusted EBITDA<sup>11</sup> conversion

Footnotes 7, 10, 11: Refer to pages 30-31 for KPI and non-GAAP definitions





# **Capital Allocation Priorities**

Stock and/or convertible debt repurchases to offset dilution from stock-based compensation

Modest dividend

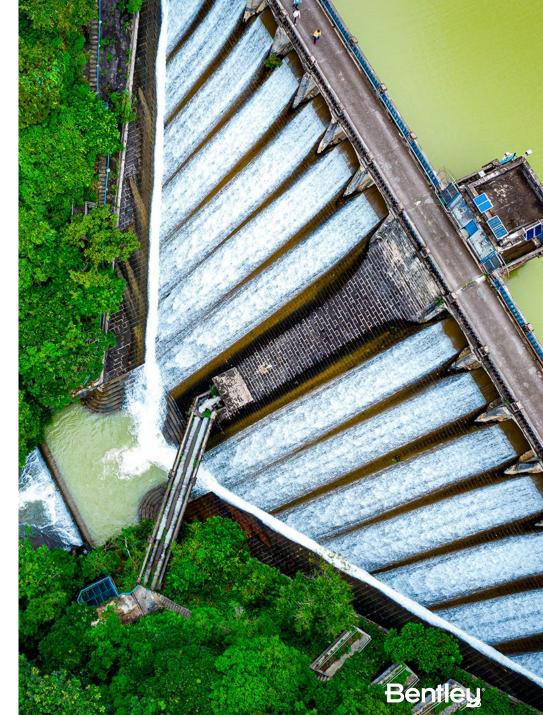
Programmatic acquisitions

Senior debt

\$85MM term loan, fixed at ~2.6% via interest rate swap maturing 2030 Revolving debt balance at end of 24Q2: \$0 Net Senior Debt Leverage<sup>b</sup> at end of 24Q2: 0.1x

Convertible debt funded accretive platform acquisitions ~\$1.3B, debt service fixed at ~0.24% coupon through 2026/2027 maturities Convertible leverage<sup>a</sup> at end of 24Q2: 2.7x (less than 1.28x "delta-adjusted")

Footnote a: Convertible leverage is convertible debt divided by LTM Adj. EBITDA<sup>11</sup> Footnote b: Net Senior Debt Leverage is Net Senior Debt(defined as Senior Debt minus Cash) divided by LTM Adj. EBITDA<sup>11</sup> Footnote 11: Refer to pages 30-31 for KPI and non-GAAP definitions



# **Compounding Predictability**

#### Predictable governance

Farsighted founding family control (dual-class corresponds to majority economic ownership, sunsetting otherwise)

#### Predictable performance

Operating management incentives based on ARR Growth<sup>7</sup> (but conditioned on annual operating margin improvement)

#### Predictable resilience

Mainstay public works / utilities end market is effectively counter-cyclical

#### Impregnable "moat" due to comprehensive portfolio THE infrastructure engineering software company

(continuously reinforced by platform-enabled programmatic acquisitions)

#### Sustainable investment thesis:

Intersection of global priorities: going digital and infrastructure Environmental resilience and adaptation (decarbonization, urbanization, resource imperatives) Energy transition and security (grid integration, renewables, nuclear, ...) ES(D)G (Empowering Sustainable Development Goals) "handprint"

Footnote 7: Refer to pages 30-31 for KPI and non-GAAP definitions



# **KPI and Non-GAAP Definitions**

This presentation includes certain KPIs and non-GAAP financial measures, which are defined herein. Reconciliations of non-GAAP financial measures to their most directly comparable GAAP financial measures are included in our Form 8-K (Quarterly Earnings Release) announcing our quarterly financial results, which can be found on the SEC's website at <u>www.sec.gov</u> and on our website at <u>www.bentley.com</u>.

- 1. **Constant currency.** In reporting period-over-period results, except for ARR as discussed further below, we calculate the effects of foreign currency fluctuations and constant currency information by translating current and prior period results on a transactional basis to our reporting currency using prior period average foreign currency exchange rates in which the transactions occurred.
- 2. Recurring revenues. We define recurring revenues as subscriptions revenues that recur monthly, quarterly, or annually with specific or automatic renewal clauses and professional services revenues in which the underlying contract is based on a fixed fee and contains automatic annual renewal provisions.
- 3. LTM Recurring revenues. Our last twelve-months ("LTM") recurring revenues are calculated as recurring revenues recognized over the preceding twelve-month period.
- 4. Account retention rate. Our account retention rate for any given twelve-month period is calculated using the average currency exchange rates for the prior period, as follows: the prior period recurring revenues from all accounts with recurring revenues in the current and prior period, divided by total recurring revenues from all accounts during the prior period. 2019 calculated using ASC 605, and 2020, 2021, 2022, and 2023 calculated using ASC 606.
- 5. LTM Recurring revenues dollar-based net retention rate. Our LTM recurring revenues dollar-based net retention rate is calculated, using the average exchange rates for the prior period, as follows: the recurring revenues for the current period, including any growth or reductions from existing accounts, but excluding recurring revenues from any new accounts added during the current period, divided by the total recurring revenues from all accounts during the prior period. A period is defined as any trailing twelve months. Related to our platform acquisitions, recurring revenues into new accounts will be captured as existing accounts starting with the second anniversary of the acquisition when such data conforms to the calculation methodology. This may cause variability in the comparison. 2019 calculated using ASC 605, and 2020, 2021, 2022, and 2023 calculated using ASC 606.

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# **KPI and Non-GAAP Definitions**

- 6. Annualized Recurring Revenues ("ARR"). Our ARR is defined as the sum of the annualized value of our portfolio of contracts that produce recurring revenues as of the last day of the reporting period, and the annualized value of the last three months of recognized revenues for our contractually recurring consumption-based software subscriptions with consumption measurement durations of less than one year, calculated using the spot foreign exchange rates.
- 7. ARR growth rate. Our constant currency ARR growth rate is the growth rate of ARR measured on a constant currency basis. In reporting period-over-period ARR growth rates in constant currency, we calculate constant currency growth rates by translating current and prior period ARR on a transactional basis to our reporting currency using current year budget exchange rates.
- 8. ARR growth rate from business performance. Our constant currency ARR growth rate from business performance excludes the ARR onboarding of our platform acquisitions and includes the impact from the ARR onboarding of programmatic acquisitions, which generally are immaterial, individually and in the aggregate.
- 9. Adjusted Ol w/SBC. Our Adjusted operating income inclusive of stock-based compensation expense ("Adjusted Ol w/SBC") is defined as operating income adjusted for the following: amortization of purchased intangibles, expense (income) relating to deferred compensation plan liabilities, acquisition expenses, and realignment expenses (income).
- 10. Adjusted Ol w/SBC margin. Our Adjusted Ol w/SBC margin is calculated by dividing Adjusted Ol w/SBC by total revenues.
- 11. Adjusted EBITDA. Our Adjusted EBITDA is defined as cash flow from operations adjusted for the following: cash interest, cash taxes, cash deferred compensation plan distributions, cash acquisition expenses, cash realignment costs, changes in operating assets and liabilities, and other cash items (such as those related to our interest rate swap). Adjusted EBITDA is our liquidity measure in the context of conversion of Adjusted EBITDA to cash flow from operations (i.e., the ratio of GAAP cash flow from operations to Adjusted EBITDA).
- 12. Organic ARR: Organic ARR is defined as reported ARR less ARR onboarded from programmatic acquisitions.



### **Reconciliation of GAAP to Non-GAAP Financial Measures**

Reconciliation of cash flow from operations to Adjusted	I EBITDA
(\$ in thousands)	LTM 24Q2
Cash flow from operations	\$ 427,432
Cash interest	26,713
Cash taxes	47,279
Cash deferred compensation plan distributions	2,436
Cash acquisition expenses	9,861
Cash realignment costs	11,756
Change in operating assets and liabilities	(51,247)
Other <sup>a</sup>	(9,487)
Adjusted EBITDA	\$ 464,743

#### Historical OI to Adjusted OI w/SBC

	2018	2019	2020	2021	2022	2023
(\$ in thousands) <b>Operating income</b>	\$ 121,391	\$ 141,865	\$ 150,150	\$ 94,589	\$ 208,612	\$ 230,542
Amortization of purchased intangibles	17,215	18,731	20,721	34,001	53,592	51,219
Deferred compensation plan	(75)	408	177	95,046	(15,782)	13,580
Acquisition expenses	6,410	6,597	11,666	34,368	25,398	17,866
Realignment expenses (income)	6,778	(584)	10,022	-	2,109	11,470
Expenses associated with IPO	-	-	26,130	-	-	-
Adjusted OI w/SBC	\$ 151,719	\$ 167,017	\$ 218,866	\$ 258,004	\$ 273,929	\$ 324,677

Note: 2018 revenues were calculated using ASC 605 / 2019-2024 revenues were calculated using ASC 606 | Footnote a: Includes receipts related to interest rate swap

# Learning about BSY

#### Investor Relations







February 27, 2025	February 27, 2024		
Bentley Systems Amounces Fourth Quarter and Full Year 2023 Results and 2028 Descript (Indicate	E-K		
	Febmary 27, 2024		
	12.5		
Deatley Systems to Announce Fourth-Quarter 2025 Results on February		PAWX **	
27.2024	Petmory 13, 2024		
	SC 136/A	8 A W	
Bendrey Systeme, Incorporated Declares Fourth Quarter 2023 Dividend			
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#### investors.bentley.com

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#### **FSG** Commitment



bentley.com/esq

Resilient and sustainable infrastructure is key to addressing climate change and other environmental challenges and is essential to sustaining our economies and improving our quality of life.

#### **Going Digital Awards**



yii.bentley.com/awards

Bentley's Going Digital Awards is an exciting and wellregarded global competition that recognizes the digital advancements in infrastructure.

#### 2023 ESG Report



Bentley's ESG Report details how we are leading in more sustainable, ethical ways to influence our environmental (E), social (S), and governance (G) impacts.

bentley.com/bentley-systems-esg-report-2023

#### Infrastructure Yearbook(s)



The Infrastructure Yearbook showcases the outstanding accomplishments of Bentley software users who design, build and operate the world's infrastructure.

bentley.com/infrastructure-yearbook





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