

# Haddington Dynamics II, LLC

3068 E. Sunset Road, Suite 14, Las Vegas, 89120

Todd Enerson, President

Date: September 23, 2021

## Application Facts:

Industry	<b>Manufacturing</b>
NAICS	<b>541511</b>
Type of App	<b>Expansion</b>
Location	<b>Clark County</b>
RDA	LVGEA, Perry Ursem

## Company Profile

Haddington Dynamics II, LLC (Haddington) is considering an expansion of its existing Las Vegas operations. Haddington Dynamics is an advanced research and development company applying the most advanced reconfigurable supercomputing technology to focus on low-cost, ultra precision motion control for robotics, 3D printing and automation. To cut costs while increasing functionality, modern manufacturing is becoming increasingly automated. This presents problems of keeping the cost of the automated equipment down while improving on its precision and flexibility. Currently robotic manufacturing gravitates toward two poles: high-cost, complex specialized systems; or low-cost, low-performance systems. Haddington was created to empower a growing user/community base with robotic solutions that simultaneously break cost and performance barriers. The company accelerates adoption and collaboration by open-sourcing its core technology. The Haddington founding leadership team is made up of prominent, highly respected professionals with multifaceted expertise and influence. Haddington currently has offices in California, New York, and Nevada. *Source: Haddington Dynamics II, LLC.*

## Tax Abatement Requirements:

	<u>Statutory</u>	<u>Company Application</u>	<u>Meeting Requirements</u>
Job Creation	25	<b>99</b>	<b>Yes</b>
Average Wage	\$26.67	<b>\$61.30</b>	<b>Yes</b>
Equipment Capex (SU & MBT)	\$352	<b>\$4,987,000</b>	<b>Yes</b>
Equipment Capex (PP)			

## Additional Requirements:

Health Insurance	65%	<b>100%</b>	<b>Yes</b>
Revenues generated outside NV	51%	<b>95%</b>	<b>Yes</b>
Business License	<input checked="" type="checkbox"/> <b>Current</b>	<input type="checkbox"/> <b>Pending</b>	<input type="checkbox"/> <b>Will comply</b>

## Total Tax Liability (without tax abatements)

Direct (company)  
**\$1,465,553**

Total  
**\$32,334,286**

## Tax Abatements

	<u>Contract Terms</u>	<u>Estimated Tax Abatement</u>
Sales Tax Abmt.	4.6% for 2 years	\$188,259
Modified Business Tax Abmt.	50% for 4 years	\$449,793
Personal Property Tax Abmt.	50% for 10 years	\$74,153
<b>Total Estimated Tax Abatement over 10 yrs.</b>		<b>\$712,205</b>

## Net New Tax Revenues

	<u>Direct</u>	<u>Indirect</u>	<u>Taxes after Abatements</u>
<b>Local Taxes</b>			
Property	\$185,057	\$10,506,217	\$10,691,274
Sales	\$150,381	\$9,689,440	\$9,839,821
Lodging	\$0	\$404,239	\$404,239
<b>State Taxes</b>			
Property	\$10,121	\$611,306	\$621,427
Sales	\$106,240	\$3,233,856	\$3,340,096
Modified Business	\$4,603,466	\$1,991,886	\$6,595,352
Lodging	\$0	\$129,872	\$129,872
<b>Total Estimated New Tax Revenue over 10 yrs.</b>			<b>\$31,622,081</b>

## Economic Impact over 10 yrs.

	<u>Total</u>	<u>Construction</u>	<u>Total</u>
Total Jobs Supported	734	5	739
Total Payroll Supported	\$521,589,635	\$267,213	\$521,856,848
Total Economic Value	\$1,303,805,050	\$705,722	\$1,304,510,772

## IMPORTANT TERMS & INFORMATION

**Tax Abatements are reduction or discount of tax liability and companies do not receive any form of payment.**

**Total Estimated Tax Abatement** is a tax reduction estimate. This estimated amount will be discounted from total tax liability.

**Estimated New Tax Revenue** is amount of tax revenues local and state government will collect after the abatement was given to applying company.

**Economic Impact** is economic effect or benefits that this company and it's operations will have on the community and state economy measured by total number of jobs, payroll and created output.



July 16, 2021

Mr. Michael Brown  
Executive Director  
Nevada Governor's Office of Economic Development  
555 E. Washington Avenue, Suite 5400  
Las Vegas, Nevada 89101

Dear Mr. Brown,

Haddington Dynamics II, LLC (Herein Haddington Dynamics) is applying to the State of Nevada for the Sales and Use Tax, Modified Business Tax, and Personal Property Tax Abatements. We request their application be placed on the agenda for the September 2021 GOED Board Meeting.

Haddington Dynamics is exploring their options to expand operations in Southern Nevada from a current staff of 15 by hiring 99 additional employees over the next 24 months and a total of 363 additional employees over the next five years. These new hires will make an average hourly wage of \$61.30 and be provided with a benefits package that includes 100% coverage of the employees' HMO healthcare premium. Haddington Dynamics will make a total capital investment of \$5.5 million.

Our team has reviewed Haddington Dynamic's application and found it to comply with Nevada's statutory requirements for tax abatements. This application has the full support and endorsement of the Las Vegas Global Economic Alliance. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'Perry Ursem', with a long horizontal flourish extending to the right.

Perry Ursem  
Vice President, Business Retention and Expansion

Enclosure



July 16, 2021

Mr. Michael Brown  
Executive Director  
Nevada Governor's Office of Economic Development  
555 E. Washington, Suite 5400 Las Vegas, NV 89101

Dear Director Brown,

By way of this letter and the attached application, Haddington Dynamics II, LLC is requesting tax incentives to assist with our expansion efforts. Recent strategic planning has the company focused on creating a greater presence in Nevada. A significant part of this consideration is the economic incentives offered by the state. We are projecting to add 99 full-time employees with an average wage of \$61.30 over the next two years of operations, and a total of 363 full-time employees with an average hourly wage over \$66.00 over the next five years of operations. Capital projections forecast approximately \$5.5 Million in investment into the company.

Our company is an advanced research and development company applying the most advanced reconfigurable supercomputing technology to focus on low-cost, ultra-precision motion control for robotics, 3D printing and automation.

To cut costs while increasing functionality, modern manufacturing is becoming increasingly automated. This presents problems of keeping the cost of the automated equipment down while improving on its precision and flexibility. Making accurate, fast hardware is only half of the story. To get precise, rapid feedback between vision and touch sensors is necessary.

Furthermore, this feedback must be instantly applied to recomputing real-time motion control. This taxes conventional software architecture, its customization, and its user interface. We are uniquely qualified to address these challenges. Our expertise in programming FPGAs gives us supercomputer performance without supercomputer costs.

The economic development incentives offered by the State of Nevada have been an integral factor in our expansion strategy. The projected cost savings from the support of these incentives will allow our company to hire a greater number of full-time employees, supporting the Governor's initiative for providing more Nevadans with long-term work and career opportunities.

Our experience with representatives from the Las Vegas Global Economic Alliance has been positive and we look forward to your approval in supporting our expansion efforts. We appreciate for your time and consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Enerson", written in a cursive style.

Todd Enerson  
President & Co-Founder  
Haddington Dynamics II, LLC

Enclosures

**ECONOMIC DEVELOPMENT**

**Incentive Application**

Company Name: Haddington Dynamics II, LLC  
 Date of Application: July 16, 2021

Company is an / a: (check one)

- New location in Nevada  
 Expansion of a Nevada company

**Section 1 - Type of Incentives**

Please check all that the company is applying for on this application:

- Sales & Use Tax Abatement                       Sales & Use Tax Deferral  
 Modified Business Tax Abatement               Recycling Real Property Tax Abatement  
 Personal Property Tax Abatement               Other: \_\_\_\_\_

**Section 2 - Corporate Information**

COMPANY NAME (Legal name under which business will be transacted in Nevada) <u>Haddington Dynamic II, LLC</u>			FEDERAL TAX ID # <u>82-3897915</u>
CORPORATE ADDRESS <u>3068 E. Sunset Road, Suite 14</u>	CITY / TOWN <u>Las Vegas</u>	STATE / PROVINCE <u>NV</u>	ZIP <u>89120</u>
MAILING ADDRESS TO RECEIVE DOCUMENTS (If different from above)	CITY / TOWN	STATE / PROVINCE	ZIP
TELEPHONE NUMBER <u>(702) 768-3223</u>	WEBSITE <a href="http://www.hdrobotic.com">www.hdrobotic.com</a>		
COMPANY CONTACT NAME <u>Todd Enerson</u>	COMPANY CONTACT TITLE <u>President</u>		
E-MAIL ADDRESS <a href="mailto:todderson@hdrobotic.com">todderson@hdrobotic.com</a>	PREFERRED PHONE NUMBER <u>(702) 768-3223</u>		

Has your company ever applied and been approved for incentives available by the Governor's Office of Economic Development?     Yes     No

If Yes, list the program awarded, date of approval, and status of the accounts (attach separate sheet if necessary):

**Section 3 - Program Requirements**

Please check two of the boxes below; the company must meet at least two of the three program requirements:

- A capital investment of \$1,000,000 in eligible equipment in urban areas or \$250,000 in eligible equipment in rural areas are required. This criteria is businesses. In cases of expanding businesses, the capital investment must equal at least 20% of the value of the tangible property owned by the business.
- New businesses locating in urban areas require fifty (50) or more permanent, full-time employees on its payroll by the eighth calendar quarter quarter in which the abatement becomes effective. In rural areas, the requirement is ten (10) or more. For an expansion, the business must increase employees on its payroll by 10% more than its existing employees prior to expansion, or by 25 (urban) or 6 (rural) employees, whichever is greater.
- In both urban and rural areas, the average hourly wage that will be paid by the business to its new employees is at least 100% of the average statewide hourly wage.

Note: Criteria is different depending on whether the business is in a county where the population is 100,000 or more or a city where the population is 60,000 or "urban" area), or if the business is in a county where the population is less than 100,000 or a city where the population is less than 60,000 (i.e., "rural" area).

**Section 4 - Nevada Facility**

Type of Facility:

- Headquarters     Service Provider  
 Technology     Distribution / Fulfillment  
 Back Office Operations                                       Manufacturing  
 Research & Development / Intellectual Property       Other: \_\_\_\_\_

PERCENTAGE OF REVENUE GENERATED BY THE NEW JOBS CONTAINED IN THIS APPLICATION FROM OUTSIDE NEVADA <u>95%</u>	EXPECTED DATE OF NEW / EXPANDED OPERATIONS (MONTH / YEAR) <u>Q3 2022</u>		
NAICS CODE / SIC <u>541511</u>	INDUSTRY TYPE <u>Custom Computer Development</u>		
DESCRIPTION OF COMPANY'S NEVADA OPERATIONS <u>Advanced research and development in ultra precision motion control robotics utilizing supercomputing technologies.</u>			
PROPOSED / ACTUAL NEVADA FACILITY ADDRESS <u>3068 E. Sunset Road, Suite 14</u>	CITY / TOWN <u>Las Vegas</u>	COUNTY <u>Clark County</u>	ZIP <u>89120</u>
WHAT OTHER STATES / REGIONS / CITIES ARE BEING CONSIDERED FOR YOUR COMPANY'S RELOCATION / EXPANSION / STARTUP? <u>N/A</u>			

**Section 5 - Complete Forms (see additional tabs at the bottom of this sheet for each form listed below)**

Check the applicable box when form has been completed.

- 5 (A)  Equipment List
- 5 (B)  Employment Schedule
- 5 (C)  Evaluation of Health Plan, with supporting documents to show the employer paid portion of plan meets the minimum of 65%.
- 5 (D)  Company Information Form

**Section 6 - Real Estate & Construction (Fill in either New Operations/Startup or Expansion, not both.)**

New Operations / Start Up - Plans Over the Next <u>Ten</u> Years	Expansions - Plans Over the Next <u>10</u> Years
<p>Part 1. Are you currently/planning on leasing space in Nevada? _____</p> <p><b>If No, skip to Part 2. If Yes, continue below:</b></p> <p style="padding-left: 40px;">What year(s)? _____</p> <p style="padding-left: 40px;">How much space (sq. ft.)? _____</p> <p style="padding-left: 40px;">Annual lease cost of space: _____</p> <p>Do you plan on making building tenant improvements? _____</p> <p><b>If No, skip to Part 2. If Yes *, continue below:</b></p> <p style="padding-left: 40px;">When to make improvements (month, year)? _____</p> <hr style="border-top: 1px dashed black;"/> <p>Part 2. Are you currently/planning on buying an owner occupied facility in Nevada? _____</p> <p><b>If No, skip to Part 3. If Yes *, continue below:</b></p> <p style="padding-left: 40px;">Purchase date, if buying (month, year): _____</p> <p style="padding-left: 40px;">How much space (sq. ft.)? _____</p> <p>Do you plan on making building improvements? _____</p> <p><b>If No, skip to Part 3. If Yes *, continue below:</b></p> <p style="padding-left: 40px;">When to make improvements (month, year)? _____</p> <hr style="border-top: 1px dashed black;"/> <p>Part 3. Are you currently/planning on building a build-to-suit facility in Nevada? _____</p> <p><b>If Yes *, continue below:</b></p> <p style="padding-left: 40px;">When to break ground, if building (month, year)? _____</p> <p style="padding-left: 40px;">Estimated completion date, if building (month, year): _____</p> <p style="padding-left: 40px;">How much space (sq. ft.)? _____</p>	<p>Part 1. Are you currently leasing space in Nevada? <u>Yes</u></p> <p><b>If No, skip to Part 2. If Yes, continue below:</b></p> <p style="padding-left: 40px;">What year(s)? <u>2021</u></p> <p style="padding-left: 40px;">How much space (sq. ft.)? <u>6,500</u></p> <p style="padding-left: 40px;">Annual lease cost at current space: <u>\$86,400.00</u></p> <p>Due to expansion, will you lease additional space? <u>Yes</u></p> <p><b>If No, skip to Part 3. If Yes, continue below:</b></p> <p style="padding-left: 40px;">Expanding at the current facility or a new facility? <u>New</u></p> <p style="padding-left: 40px;">What year(s)? <u>2022</u></p> <p style="padding-left: 40px;">How much expanded space (sq. ft.)? <u>50,000</u></p> <p style="padding-left: 40px;">Annual lease cost of expanded space: <u>TBD</u></p> <p>Do you plan on making building tenant improvements? <u>Yes</u></p> <p><b>If No, skip to Part 3. If Yes *, continue below:</b></p> <p style="padding-left: 40px;">When to make improvements (month, year)? <u>June, 2022</u></p> <hr style="border-top: 1px dashed black;"/> <p>Part 2. Are you currently operating at an owner occupied building in Nevada? <u>No</u></p> <p><b>If No, skip to Part 3. If Yes, continue below:</b></p> <p style="padding-left: 40px;">How much space (sq. ft.)? _____</p> <p style="padding-left: 40px;">Current assessed value of real property? _____</p> <p>Due to expansion, will you be making building improvements? _____</p> <p><b>If No, skip to Part 3. If Yes *, continue below:</b></p> <p style="padding-left: 40px;">When to make improvements (month, year)? _____</p> <hr style="border-top: 1px dashed black;"/> <p>Part 3. Do you plan on building or buying a new facility in Nevada? <u>No</u></p> <p><b>If Yes *, continue below:</b></p> <p style="padding-left: 40px;">Purchase date, if buying (month, year): _____</p> <p style="padding-left: 40px;">When to break ground, if building (month, year)? _____</p> <p style="padding-left: 40px;">Estimated completion date, if building (month, year): _____</p> <p style="padding-left: 40px;">How much space (sq. ft.)? _____</p>
<p><b>* Please complete Section 7 - Capital Investment for New Operations / Startup.</b></p>	<p><b>* Please complete Section 7 - Capital Investment for Expansions below.</b></p>
<p>BRIEF DESCRIPTION OF CONSTRUCTION PROJECT AND ITS PROJECTED IMPACT ON THE LOCAL ECONOMY (Attach a separate sheet if necessary):</p>	

**Section 7 - Capital Investment (Fill in either New Operations/Startup or Expansion, not both.)**

New Operations / Start Up	Expansions
How much capital investment is planned? (Breakout below):	How much capital investment is planned? (Breakout below):
Building Purchase (if buying): _____	Building Purchase (if buying): <u>n/a</u>
Building Costs (if building / making improvements): _____	Building Costs (if building / making improvements): <u>\$500,000</u>
Land: _____	Land: <u>n/a</u>
Equipment Cost: _____	Equipment Cost: <u>\$4,987,000</u>
<b>Total:</b> _____	<b>Total:</b> <u>\$5,487,000</u>
	Is the equipment purchase for replacement of existing equipment? <u>No</u>
	Current assessed value of personal property in NV: <u>\$1,760</u>
	(Must <b>attach</b> the most recent assessment from the County Assessor's Office.)

**Section 8 - Employment (Fill in either New Operations/Startup or Expansion, not both.)**

New Operations / Start Up	Expansions
How many full-time equivalent (FTE*) employees will be created by the end of the first eighth quarter of new operations?: _____	How many full-time equivalent (FTE*) employees will be created by the end of the first eighth quarter of expanded operations?: <u>99</u>
Average hourly wage of these <u>new</u> employees: _____	Average hourly wage of these <u>new</u> employees: <u>\$61.30</u>
	How many FTE employees prior to expansion?: <u>15</u>
	Average hourly wage of these <u>existing</u> employees: <u>\$34.00</u>
	Total number of employees after expansion: <u>114</u>

\* FTE represents a permanent employee who works an average of 30 hours per week or more, is eligible for health care coverage, and whose position is a "primary job" as set forth in NAC 360.474.

OTHER COMPENSATION (Check all that apply):

- Overtime       Merit increases       Tuition assistance       Bonus  
 PTO / Sick / Vacation       COLA adjustments       Retirement Plan / Profit Sharing / 401(k)       Other: Free Robot

BRIEF DESCRIPTION OF ADDITIONAL COMPENSATION PROGRAMS AND ELIGIBILITY REQUIREMENTS (Attach a separate sheet if necessary):

**Section 9 - Employee Health Insurance Benefit Program**

Is health insurance for employees and is an option for dependents offered?:  Yes (attach health plan and quote or invoice)  No

Package includes (check all that apply):

- Medical       Vision       Dental       Other: LT/ST Disability and Care

Qualified after (check one):

- Upon employment       Three months after hire date       Six months after hire date       Other: \_\_\_\_\_

Health Insurance Costs:	Percentage of health insurance premium by (min 65%):
Plan Type: <u>Health Plan of Nevada</u>	
Employer Contribution (annual premium per employee): <u>\$ 10,800.00</u>	Company: <u>100%</u>
Employee Contribution (annual premium per employee): <u>\$ -</u>	Employee: <u>0%</u>
<b>Total Annual Premium:</b> <u>\$ 10,800.00</u>	

[SIGNATURE PAGE FOLLOWS]

**Section 10 - Certification**

I, the undersigned, hereby grant to the Governor's Office of Economic Development access to all pertinent and relevant records and documents of the aforementioned company. I understand this requirement is necessary to qualify and to monitor for compliance of all statutory and regulatory provisions pertaining to this application.

Being owner, member, partner, officer or employee with signatory authorization for the company, I do hereby declare that the facts herein stated are true and that all licensing and permitting requirements will be met prior to the commencement of operations. In addition, I and /or the company's legal counsel have reviewed the terms of the GOED Tax Abatement and Incentives Agreement, the company recognizes this agreement is generally not subject to change, and any material revisions have been discussed with GOED in advance of board approval.

Todd Enerson

\_\_\_\_\_  
Name of person authorized for signature



\_\_\_\_\_  
Signature

President/Co-Founder

\_\_\_\_\_  
Title

July 16, 2021

\_\_\_\_\_  
Date

**Nevada Governor's Office of Economic Development**

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## Site Selection Factors

Company Name: Haddington Dynamics II, LLC

County: Clark

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### Section I - Site Selection Ratings

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Directions: Please rate the select factors by importance to the company's business (1 = very low; 5 = very high). Attach this form to the Incentives Application.

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Availability of qualified workforce:	<u>3</u>	Transportation infrastructure:	<u>3</u>
Labor costs:	<u>3</u>	Transportation costs:	<u>2</u>
Real estate availability:	<u>3</u>	State and local tax structure:	<u>5</u>
Real estate costs:	<u>4</u>	State and local incentives:	<u>5</u>
Utility infrastructure:	<u>3</u>	Business permitting & regulatory structure:	<u>5</u>
Utility costs:	<u>2</u>	Access to higher education resources:	<u>5</u>

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Please summarize the importance of the abatement program to your decision (please include at least a paragraph summary):

The requested tax abatements will allow Haddington Dynamics to concentrate revenues into new job creation and capital equipment investments.





## 5(B) Employment Schedule

Company Name: Haddington Dynamics II, LLC

County: Clark

### Section 1 - Full-Time Equivalent (FTE) Employees

Directions: Please provide an estimated list of full time employees [columns (a) through (d)] that will be hired and employed by the company by the end of the first eighth quarter of new / expanded operations. For example, if the effective date of new / expanded operations is April 1, 2015, the date would fall in Q2, 2015. The end of the first eighth quarter would be the last day of Q2, 2017 (i.e., June 30, 2017). Attach this form to the Incentives Application. A qualified employee must be employed at the site of a qualified project, scheduled to work an average minimum of 30 per week, if offered coverage under a plan of health insurance provided by his or her employer, is eligible for health care coverage, and whose position of a "primary job" as set forth in NAC 360.474.

Please use the Bureau of Labor Statistics Standard Occupational Classification System (SOC) link to populate section (b): [https://www.bls.gov/soc/2018/major\\_groups.htm#11-0000](https://www.bls.gov/soc/2018/major_groups.htm#11-0000)

(a) New Hire Position Title/Description	(b) Position SOC Code	(c) Number of Positions	(d) Average Hourly Wage	(e) US Bureau of Labor Statistics Average Hourly Wage - Clark County	(f) Average Weekly Hours	(g) Annual Wage per Position	(h) Total Annual Wages
Chief Executives	11-1011	2	\$150.00	\$90.41	40	\$312,000.00	\$624,000.00
Software Developers, Applications	15-1256	20	\$72.12	\$44.62	40	\$150,009.60	\$3,000,192.00
Mechanical Engineer	17-2141	20	\$72.12	\$43.78	40	\$150,009.60	\$3,000,192.00
Electrical Engineer	17-2071	10	\$72.12	\$41.43	40	\$150,009.60	\$1,500,096.00
Test Engineer	17-2199	2	\$72.12	\$40.61	40	\$150,009.60	\$300,019.20
Project Manager	11-1021	5	\$72.12	\$61.83	40	\$150,009.60	\$750,048.00
Data Science	15-2098	4	\$62.50	\$55.29	40	\$130,000.00	\$520,000.00
Hardware QA	15-1232	5	\$23.00	\$25.32	40	\$47,840.00	\$239,200.00
Software Testing	15-1232	5	\$23.00	\$25.32	40	\$47,840.00	\$239,200.00
Vision	15-1299	5	\$62.50	\$37.61	40	\$130,000.00	\$650,000.00
Artificial Intelligence	15-1299	5	\$62.50	\$37.61	40	\$130,000.00	\$650,000.00
Programmers	15-1251	10	\$43.27	\$43.13	40	\$90,001.60	\$900,016.00
Additive Manufacturing Technicians	17-3024	4	\$19.23	\$28.74	40	\$39,998.40	\$159,993.60
QA/QC Manager	13-1198	1	\$23.00	\$33.53	40	\$47,840.00	\$47,840.00
Inventory Expeditor Technician	43-5071	1	\$20.00	\$16.43	40	\$41,600.00	\$41,600.00
<b>TOTAL</b>		<b>99</b>	<b>\$61.30</b>	<b>\$42.43</b>			<b>\$12,622,396.80</b>

### Section 2 - Employment Projections

Directions: Please estimate full-time job growth in Section 2, complete columns (b) and (c). These estimates are used for state economic impact and net tax revenue analysis that this agency is required to report. The company will not be required to reach these estimated levels of employment. **Please enter the estimated new full time employees on a year by year basis (not cumulative)**

(a) Year	(b) Number of New FTE(s)	(c) Average Hourly Wage	(d) Payroll
3-Year	65	\$65.00	\$8,788,000.00
4-Year	38	\$70.00	\$5,532,800.00
5-Year	161	\$72.00	\$24,111,360.00

\* Column (e) determines if wage is commensurate to current wage ranges in the region the company plans to locate/is located. For these purposes the mean average hourly wage for the location has been used.

U = Unknown / data set for region is not currently available.

Source: US Bureau of Labor Statistics

## 5(C) Evaluation of Health Plans Offered by Companies

Company Name: Haddington Dynamics II, LLC

County: Clark

Total Number of Full-Time Employees: 99

Average Hourly Wage per Employee \$61.30

Average Annual Wage per Employee (implied) \$127,504.00

### COST OF HEALTH INSURANCE

Annual Health Insurance Premium Cost: \$10,800.00

Percentage of Premium Covered by:

Company 100%

Employee 0%

### HEALTH INSURANCE PLANS:

Base Health Insurance Plan*:	HMO 10/2000-3D
Deductible - per employee	\$ 2,000
Coinsurance	100% / 0%
Out-of-Pocket Maximum per employee	\$ 6,850
Additional Health Insurance Plan*:	HMO 20/5000-3D
Deductible - per employee	\$ 5,000
Coinsurance	100% / 0%
Out-of-Pocket Maximum per employee	\$ 6,850
Additional Health Insurance Plan*:	
Deductible - per employee	\$ -
Coinsurance	0% / 0%
Out-of-Pocket Maximum per employee	\$ -

\*Note: **Please list only "In Network" for deductible and out of the pocket amounts .**

### Generalized Criteria for Essential Health Benefits (EHB)

[following requirements outlined in the Affordable Care Act and US Code, including 42 USC Section 18022]

Covered employee's premium not to exceed 9.5% of annual wage	0.0%	MMQ
Annual Out-of-Pocket Maximum not to exceed \$8,700 (2022)	\$6,850	MMQ

Minimum essential health benefits covered (Company offers PPO):


- (A) Ambulatory patient services
- (B) Emergency services
- (C) Hospitalization
- (D) Maternity and newborn care
- (E) Mental health/substance use disorder/behavioral health treatment
- (F) Prescription drugs
- (G) Rehabilitative and habilitative services and devices
- (H) Laboratory services
- (I) Preventive and wellness services and chronic disease management
- (J) Pediatric services, including oral and vision care

No Annual Limits on Essential Health Benefits

I, the undersigned, hereby declare to the Governor's Office of Economic Development that the facts herein stated are true, and that I have attached a qualified plan with information highlighting where our plan reflects meeting the 65% minimum threshold for the employee paid portion of the plan for GOED to independently confirm the same.

Todd Enerson

Name of person authorized for signature

  
Signature

President/Co-Founder

Title

7/16/2021

Date

## 5(D) Company Information

Company Name: Haddington Dynamics II, LLC

County: Clark

### Section I - Company Interest List

Directions: Please provide a detailed list of owners and/or members of the company. *The Governor's Office of Economic Development strives to maintain the highest standards of integrity, and it is vital that the public be confident of our commitment. Accordingly, any conflict or appearance of a conflict must be avoided. To maintain our integrity and credibility, the applicant is required to provide a detailed list of owners, members, equity holders and Board members of the company.*

(a) Name	(b) Title
Todd Enerson	President/Co-Founder
Kent Gilson	Investor/Co-Founder
Christopher Fry	Software Architect
James Wigglesworth	Lead Mechanical Engineer
Tim Steiner	Ocado Group, PLC/Co-Founder & CEO

### Section 2 - Company Affiliates and/or Subsidiaries

Are there any subsidiary or affiliate companies sharing tax liability with the applicant company? No  Yes

**If Yes, continue below:**

Directions: In order to include affiliates/subsidiaries, under the exemption letter, they must to be added to the Contract. Per standard practice GOED requires a corporate schematic to understand the exact relationships between the companies. Please populate the below table to show the exact relationships between the companies and include:

1. The names as they would read on the tax exemption letter.
2. Which entity(ies) will do the hiring?
3. Which entity(ies) will be purchasing the equipment?

Name of Subsidiary or Affiliate Entity, Role and Legal Control Relationship

Please include any additional details below:

# SECRETARY OF STATE



## CERTIFICATE OF EXISTENCE WITH STATUS IN GOOD STANDING

I, Barbara K. Cegavske, the duly qualified and elected Nevada Secretary of State, do hereby certify that I am, by the laws of said State, the custodian of the records relating to filings by corporations, non-profit corporations, corporations sole, limited-liability companies, limited partnerships, limited-liability partnerships and business trusts pursuant to Title 7 of the Nevada Revised Statutes which are either presently in a status of good standing or were in good standing for a time period subsequent of 1976 and am the proper officer to execute this certificate.

I further certify that the records of the Nevada Secretary of State, at the date of this certificate, evidence, **Haddington Dynamics II, LLC**, as a FOREIGN LIMITED-LIABILITY COMPANY duly organized under the laws of Nevada and existing under and by virtue of the laws of the State of Nevada since 12/21/2020, and is in good standing in this state.



IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on 08/12/2021.

*Barbara K. Cegavske*

BARBARA K. CEGAVSKE  
Secretary of State

Certificate Number: B202108121908930

You may verify this certificate  
online at <http://www.nvsos.gov>



**3068 E Sunset Blvd, Ste 14**

**Las Vegas NV 89120**

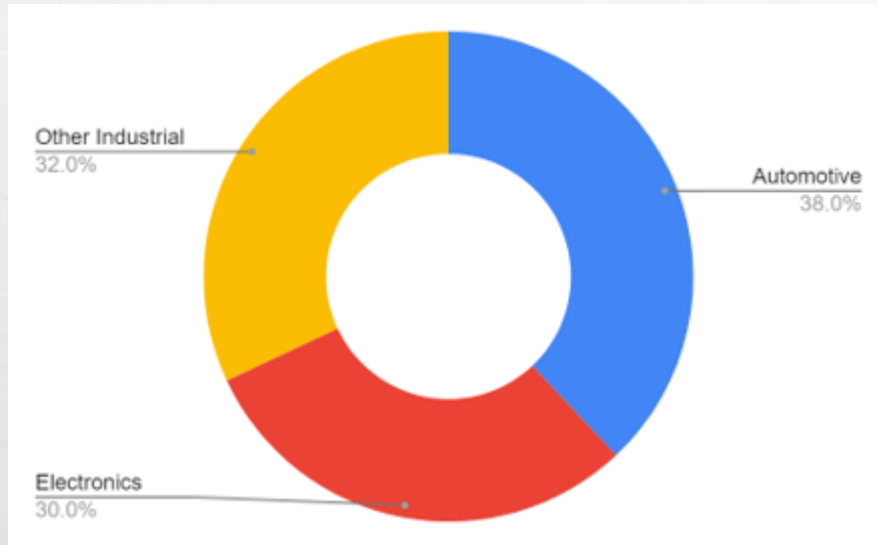
**[www.hdrobotic.com](http://www.hdrobotic.com)**

**[todderson@hdrobotic.com](mailto:todderson@hdrobotic.com)**

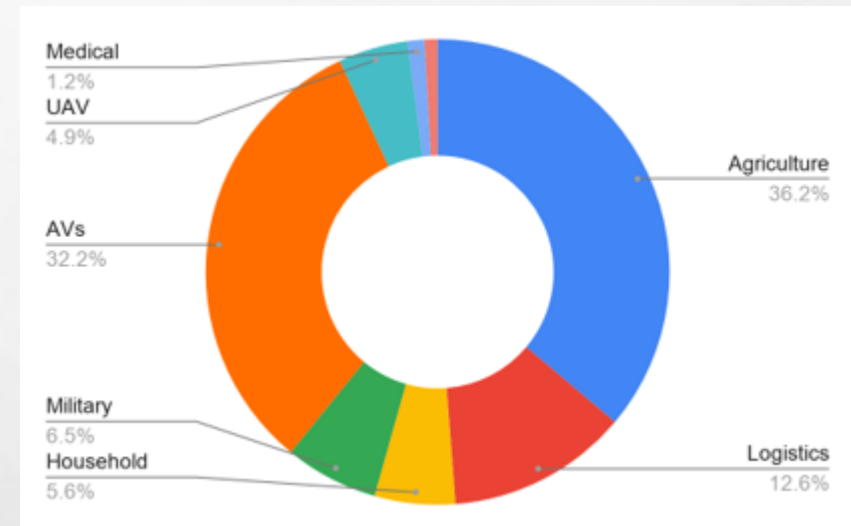
**Haddington Dynamics is uniquely positioned to lead the 400B Industry 4.0 revolution with its award-winning technology and products.**

**Comprehensive products/services roadmap and IP strategy that maximizes recurring revenue and geometric growth.**

# ROBOTICS MARKET BREAKDOWN 2025



**\$18.25bn (global)**



**\$230bn (global)**

1) Data from Statista, Non-Industrial Robotics Market by Segment

# ROBOT OWNERSHIP PAIN

- HIGH-COST PRECISION PARTS AND FORCE SENSORS
- EXPENSIVE TO PROGRAM
  - 3X MORE EXPENSIVE THAN THE HARDWARE
  - NO PROGRAM REUSE
- LIMITED PRECISION WITH HAPTICS
- ABOVE RESULTING IN MUCH HIGHER COST OF OWNERSHIP AND FEAR BARRIER FOR NON-TECHNICAL USERS





# SOLUTION

OUR TECHNOLOGY  
ALLOWS US TO PRODUCE  
SUPERIOR AFFORDABLE  
ROBOTS THAT PROGRAM  
EASILY

6-7X BOM RETAIL MARKUP  
ENABLES 50% MARGIN  
BUSINESS

RECURRING REVENUE FROM  
RaaS AND FACTORY  
FRANCHISING



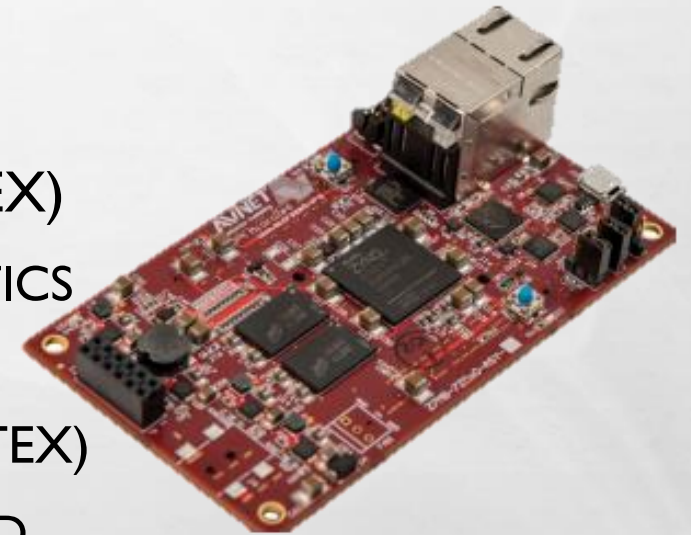
# DEXTER HDI – ROBOTIC ARM

- LOW COST
- LOW POWER USE
- LIGHT WEIGHT
- HIGH PRECISION
- FORCE SENSITIVE
- 3D PRINTED
- PORTABLE
- PROGRAM BY TOUCH



# TECHNOLOGY FOR THE ROBOT REVOLUTION

- HIGH SPEED PARALLEL COMPUTING (ROBOT BRAIN)
  - PHYSICS BASED MOTION CONTROL (MOTOR CORTEX)
    - PHYSIC ENGINE, SIGNAL PROCESSING, PID AND KINEMATICS ALL RUNNING PARALLEL
  - LIBRARIES FOR EXPANDED CAPABILITIES (CEREBRAL CORTEX)
    - VISION, NONLINEAR DYNAMICS, AI, LINEAR ALGEBRA AND SCIENTIFIC COMPUTATIONAL KERNELS



# MANUFACTURING FOR THE ROBOT REVOLUTION

- PIONEERING DIRECT DIGITAL ADDITIVE MANUFACTURING PLANT
  - ROADMAP TO ROBOTS BUILDING ROBOTS (OR ANYTHING ELSE)
- UNPRECEDENTED ECONOMIC ADVANTAGE
  - WE FABRICATE 95% OF THE ROBOT IN HOUSE WITH 3D PRINTING
  - SUPPLY CHAIN UNDER 10 VENDORS
  - EVOLVE FASTER/SCALE EASIER
  - OPTIMIZE TO ANY SIZE, COMPLEXITY AND DOF
  - HIGH PERFORMANCE MATERIALS AND GEOMETRIES
  - 24HR TURNAROUND ON NEW END EFFECTORS



# DIFFERENTIATORS

## Optical Encoder

- 1 arc second resolution measured at each point of rotation
- Unique fingerprint of each slit corresponds to absolute position
- 2 million measurements/sec across entire robot

## Force Sensitivity & Sharing (0.5g-3kg force sensitivity)

- Arc second resolution enables high dynamic range of force detection
- Feel and localize contact anywhere on the robot
- Connected robots share position and force information and can work together for assembly/packaging

## Load Adaptive Repeatability (sub 30microns w/ 5 micron stepping)

- Guaranteed path repeatability independent of load
- Even with component wear – repeatability is maintained
- Reusable programming across multiple robots (Train once and repeat across many)

# KEYS TO RAPID IMPLEMENTATION

## Parallel Processing

- 100 GFlops under 5 watts
- Enables sophisticated robot control algorithms
- Distributed computing across multiple robots

## Programming

- Ultra sensitive control inputs enables dexterous programming by example
- Complete JavaScript Development Environment
- API is exposed as a socket server. Use any language

## Remote control

- Connected robots share position and force information
- Robots can be operated remotely from command center
- Position and Force information can be transmitted, scaled, and mined for AI
- Can be operated In the loop, On the loop, Out of loop

# DEXTER IN THE FIELD

Currently have +250 units in the field.

International Sales - > 30 robots internationally

Used in manufacturing, polishing and research

Domestic units are in universities, small business and hacker community

Montefiore Medical Center ([www.montifiore.org](http://www.montifiore.org))

## NASA

- Drone inspection and certification under NASA's FAA Fit2Fly program
- In Space Manufacturing
- Larkspace

Other notable companies have purchased for testing/evaluation.

- GoogleX, Toshiba, igus, Duke University, MILA, LiveLink and Toyota Research Institute

**TOSHIBA**



**Montefiore**



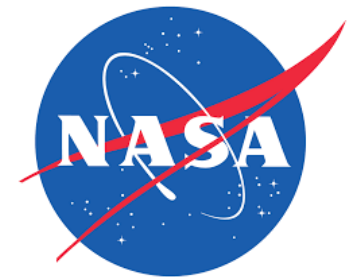
**TOYOTA**  
RESEARCH INSTITUTE



**Massachusetts**  
Institute of  
Technology



**New York Institute**  
of Technology



# TEAM

- **KENT GILSON (FOUNDER / CHAIRMAN)**
  - COMPLETED IPO AT AGE 18 FOR MULTITASKING OS COMPANY
  - CUSTOM FPGA PROGRAMMING LANGUAGE
  - TECHNOLOGY INVENTOR AND SUCCESSFUL STARTUP FOUNDER
- **TODD ENERSON (PRESIDENT)**
  - SCIENCE AND MARKETING BACKGROUND. BS BIOCHEMISTRY, UW- MADISON
  - MANAGEMENT FORMATION EXPERTISE
- **JASON HAMPTON-TAYLOR (INTERNATIONAL SALES)**
  - AUSTRALIAN LEADING EXPERT IN 3D PRINTING
- **MIKE PHILLIPS (DOMESTIC SALES)**
  - 30 YEARS IN SALES AND MANAGEMENT
- **DAVID RICHDALE (OPERATIONS MANAGER)**
  - 30 YEARS IN OPERATIONS MANAGEMENT AND EXECUTIVE MANAGMENT