

# DEX

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<http://dex.co.jp>

- ❑ Address: 1-16-13, Saiho-cho, Takamatsu City, Kagawa Prefecture
- ❑ Employees: 10
- ❑ Established in 2000
- ❑ Business: Information and communications

### Project name

- Demonstration project on an automated system for sex determination of egg-laying hen chicks using AI

### Cooperation with local companies/governments

- Local partner: e-con Systems India Pvt Ltd
- Details of cooperation and collaboration: We aim at cost reduction and mass production of products by combining with camera parts of the partner.



### Local economic/social issues

- India is the world's third largest egg producer, with the production tripled in the 20 years from 1996 to 2016.
- Meanwhile, the selection of female chicks for egg-laying hens is carried out by manual work, and the shortage of skilled workers is an issue for increasing the production of egg-laying hens.

### Details of demonstration

- Development of prototypes that combine our cloud AI system for sex determination of chicks with the partner's camera parts, and verification for mass production at the development base in India, and in Japan.

### Expected outcome

- In southern India, the number of people who eat eggs is large, and after the demonstration, the system can be expected to spread throughout southern India.
- By setting up a data center in India, it can be expected to expand the business into Asian countries.